

# LEHIGH ALUMNI BULLETIN

VOLUME 7

MARCH, 1920

NUMBER 3

THE PROGRAM FOR THE FUTURE  
THE ALUMNI PROGRAM  
ADVANCE IN TUITION  
LIMIT IN SIZE OF STUDENT BODY  
ALUMNI EDUCATIONAL COMMITTEE  
ALUMNI MEMORIAL  
ALUMNI BULLETIN TO BE A MONTHLY  
NEW ATHLETIC POLICY  
COLLEGE AND ALUMNI NEWS

PUBLISHED QUARTERLY BY THE ALUMNI  
ASSOCIATION OF LEHIGH UNIVERSITY, INC.



# **FORT PITT BRIDGE WORKS**

## **OF PITTSBURG, PA.**

### **BRIDGES, BUILDINGS STRUCTURAL STEEL**

---

**General Office, House Building, Pittsburgh**  
**New York Office, 29 Broadway**  
**Chicago Office, Fisher Building**  
**Purchasing Dept. and Works, Canonsburg**

---

**THEO. A. STRAUB, '90,**  
**H. R. BLICKLE, '93,**  
**P. B. STRAUB, '97,**  
**SCHUYLER B. KNOX, '93,**  
**E. H. BEAZELL, '90,**

**Vice-President and General Manager**  
**Secretary and Chief Engineer**  
**Treasurer**  
**Contracting Engineer**  
**Works Manager**

McCLINTIC-MARSHALL COMPANY

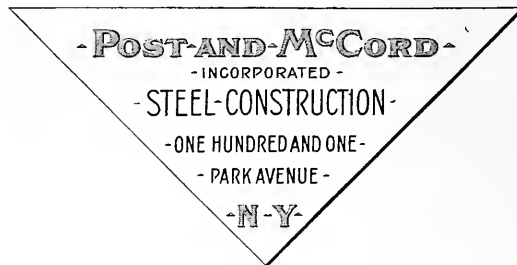
PITTSBURGH

ENGINEERS  
MANUFACTURERS AND ERECTORS  
OF  
STEEL STRUCTURES

WORKS  
PITTSBURGH - POTTSTOWN - CARNEGIE  
PENNSYLVANIA

---

PRESIDENT, C. D. MARSHALL, '88  
VICE-PRESIDENT AND GENERAL MANAGER, H. H. McCLINTIC, '88



SPECIALISTS IN THE DESIGN AND  
CONSTRUCTION OF STEEL STRUCTURES

AUBREY WEYMOUTH, '94  
CHIEF ENGINEER

---

## THE DRAVO CONTRACTING COMPANY PITTSBURGH

DIFFICULT FOUNDATIONS, RIVER and HARBOR IMPROVEMENT  
BRIDGE PIERS and DAMS, MINING PLANT CONSTRUCTION  
SHAFTS, SLOPES and TUNNELS

ASSOCIATED WITH THE COMPANY

F. R. DRAVO, '87  
R. M. DRAVO, '89

J. J. NOLAN, '01  
J. D. BERG, '05  
E. T. GOTT, '06

J. B. CARLOCK, '07  
L. C. ZOLLINGER, '08  
V. B. EDWARDS, '11

---

## DRAVO-DOYLE COMPANY

PITTSBURGH  
CLEVELAND                      INDIANAPOLIS                      PHILADELPHIA

STEAM and HYDRAULIC EQUIPMENT, COMPLETE POWER  
PLANT, WATER WORKS INSTALLATIONS

ASSOCIATED WITH THE COMPANY

F. R. DRAVO, '87  
R. M. DRAVO, '89

J. D. BERG, '05

S. P. FELIX, '03  
E. S. ADAMS, '06



**For All Kinds of  
Industrial Machinery**

**Cranes, Hoists, Steam Shovels, Dredges, Tractors, Clutches, Etc.**

**T**HE first cost of brake equipment is not the thing in which engineers and efficiency men are interested. The question is, "How long will it last and what service will it give"?

"THERMOID" Asbestos Brake Lining, Brake and Clutch Blocks are absolutely guaranteed to give more satisfactory results, to have a more uniform friction or gripping power, to reduce the cost of maintenance and to outwear any other material used for the purpose. Not affected in service by heat, oil, grease, water, gasoline or dirt.

**They will make good or we will**

**Manufactured by**

**Thermoid Rubber Company**

**Factories and Main Offices**

**TRENTON, N. J.**

**Branches in New York, Boston, Philadelphia, Chicago, Indianapolis,  
Pittsburgh, Los Angeles, San Francisco, London, Paris**

**E. C. SCHMERTZ, '08**  
**District Manager,**  
**Philadelphia, Pa.**

**LOWER THE COST OF LIFTING,  
Conveying, Loading and Unloading  
Your Products by**

**"BROWN-PORTABLE" Continuous - Motion  
Handling Machinery**

Inclined Portable Elevators for packed goods of all kinds  
Portable and Sectional Power Conveyors for packed goods  
Wagon, Truck, Car and Boat Loaders and Unloaders  
Belt Conveyors for Loading Coal, Sand, Gravel, &c.  
Vertical Tying Machines for handling bulky packages  
"Built to Fit the Job"

**BROWN PORTABLE CONVEYING MACHINERY CO.**  
10 South La Salle Street, CHICAGO, ILLINOIS.

HARWOOD FROST, '93, PRESIDENT

Largest Engineering organization exclusively devoted to the Design and Manufacture of  
PORTABLE ELEVATING, CONVEYING, LOADING and UNLOADING MACHINERY  
for the Rapid and Low-Cost Handling of Packed and Loose Materials

**WESTERN STRUCTURAL STEEL & TANK CO.**

INCORPORATED 1914

ENGINEERS AND MANUFACTURERS  
STRUCTURAL STEEL, BOILERS, TANKS, ETC.

CHARLES MCGONIGLE, '01, PRES.

OTHO POOLE, SECT.

PORTLAND, OREGON.

**POOLE-DEAN COMPANY**

INCORPORATED 1911

STEEL CONTRACTORS  
ERECTORS OF BRIDGES AND BUILDINGS

PORTLAND, OREGON

OTHO POOLE, PRES.

CHARLES MCGONIGLE, '01, SECT.

HENRY DE HUFF, '95  
DANIEL W. BLEEM, '96

GEO. A. HOPKINS

**DE HUFF & HOPKINS  
ENGINEERING EQUIPMENT**

MORRIS BLDG.,

PHILADELPHIA

DISTRICT REPRESENTATIVES

GEO. D. WHITCOMB CO.  
Gasoline and Electric  
Storage Battery Locomotives

EASTON CAR &  
CONSTRUCTION CO.  
Industrial Cars, Track  
and Railroad Equipment

COFFIN VALVE CO.  
Sluice Gates  
and Valves

JOYCE CRIDLAND LIFTING JACKS.  
ENGINEERING EQUIPMENT.

# American Abrasive Metals Co.

WM. H. SAYRE, '86, President  
50 CHURCH ST.



R. S. EDMONDSON, '06, Vice-Pres.  
NEW YORK



*[A patented combination of iron and abrasive grit]*

## To Prevent Slipping Accidents

Floor Plates  
Stair Treads and Landings  
Running Boards and Steps  
Door Saddles

Car Steps and Platforms  
Coal Hole Covers  
Drainage Gratings  
Cover Plates

## For General Industrial Uses

Truing Up Brake Shoes  
Pug Mill Paddles  
Rabble Blades

Ash and Coal Conveying  
Pipe, Chutes,  
Liner Plates, etc.

GEORGE C. HUTCHINSON, '94  
District Representative  
Farmers Bank Bldg., Pittsburgh, Pa.

B. P. LAMBERTON, '05  
District Representative  
Washington, D. C.

Clarence L. Harper  
Albert E. Turner

Elmer G. Parsly  
Arthur Peck, '03

## HARPER & TURNER

INVESTMENT BANKERS

1000-1012 STOCK EXCHANGE BUILDING

PHILADELPHIA

Members  
Philadelphia  
Stock Exchange

Private Telephone  
and Telegraph  
Wires to New York

C. L. MCKENZIE, '93, PRES.

C. C. BURGESS, '95, CHIEF ENGR.

### PITTSBURGH CONSTRUCTION CO. GENERAL CONTRACTORS

DIAMOND BANK BUILDING

PITTSBURGH, PA.

STEEL BRIDGE ERECTION, CONCRETE MASONRY, Etc.

---

C. L. MCKENZIE, '93, PRES.

C. C. BURGESS, '95, ASST. ENGR.

### CONCRETE PRODUCTS COMPANY OF PITTSBURGH

DIAMOND BANK BUILDING

PITTSBURGH, PA.

REINFORCED, FACTORY-MADE,  
CONCRETE CULVERT PIPE,  
EMBANKMENT CRIBBING, ETC.



USE  
**"LIMOID" for ECONOMY**

In Laying Brick with cement-mortar an addition of "Limoid" (pure "Cedar Hollow" hydrated lime) to the mortar mixture will enable bricklayers to lay more bricks per hour and will give a better bonding mortar.

In placing Concrete an addition of "Limoid" will give a faster flowing mass which will be freer from "honey-comb" and weak sections.

**Charles Warner Company**

FRED. A. DABOLL, '96, General Sales Manager

Wilmington, Del.

Philadelphia, Pa.

New York City

## **Warren Machine Products Co.**

Manufacturers of

**Automobile Motors      Transmissions**

**Differentials**

**Cut Gears of all sorts**

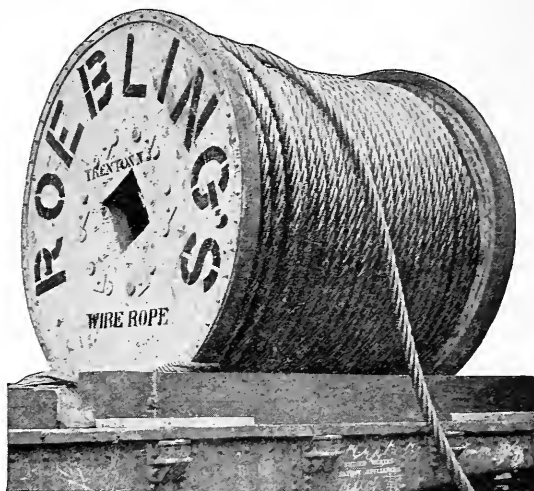
**BUILDERS OF SPECIAL MACHINERY**

CHARLES W. MOFFETT, '89, Vice-Pres. and Manager

J. C. HOLDERNESS, '98, Assistant Manager

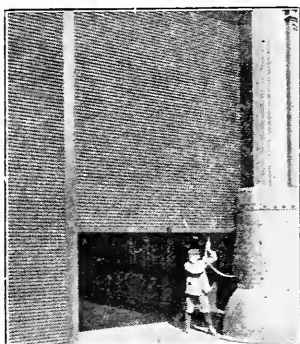
**WARREN, PA.**

## ROEBLING WIRE ROPE



JOHN A. ROEBLING'S SONS CO., TRENTON, N. J.

## THE WILSON ROLLING STEEL DOOR



Hand and Motor operated

Passed by the Board of Fire  
Underwriters

Made for any size opening

**THE J. G. WILSON CORPORATION**

NORFOLK, VA.

8 West 40th St., N. Y.

J. F. MIDDLEDITH, '99, Sec'y and Treas.



## Standard Underground Cable Co.

Pittsburgh, Pa.

Copper, Brass and Bronze Wires, Rods, Tubes.	Rubber Insulated Wire.
STANDARD C. C. C. Wire, (Colonial Copper Clad.)	Armored Cable.
Magnet Wire.	Varnished Cambric Cable.
Weatherproof Wire.	Fibre Lead-Covered Cable.
	Paper Lead-Covered Cable.
	Rubber Lead-Covered Cable.

### Cable Accessories

Cable Terminals.	"Ozite" Insulating
Cable Junction Boxes.	Compounds.
Miscellaneous Accessories.	

Cable Systems Completely Installed.

STANDARD Products received the highest specific award granted  
Electric Wires, Cables and Accessories at San Francisco.

### Offices in all principal cities

P. H. W. Smith, '92, Vice President.  
G. J. Shurts, '12.  
E. J. Carmichael, '17.  
F. W. Wilson, '22.

## PUMPING MACHINERY

## WILSON-SNYDER MANUFACTURING Co.

H. D. Wilson, '01, President

PITTSBURGH. PA.

## LEHIGH MEN MUST APPRECIATE THE GOOD ENGINEERING OF MERCER AUTOMOBILES

WHY NOT BUY THEM?

MERCER AUTOMOBILE CO., TRENTON, N. J.

WM. T. WHITE, 1900, President

VICTOR  
BITUMINOUS COAL  
ANTHRACITE COAL  
AND COKE

---

GRAND CENTRAL TERMINAL  
NEW YORK CITY  
NORTH AMERICAN BUILDING  
PHILADELPHIA

REMBRANDT PEALE, '83

## THE LEHIGH COAL AND NAVIGATION COMPANY

437 CHESTNUT STREET  
PHILADELPHIA, PA.



Miners of Old Company's Lehigh Coal  
Since 1820

SAMUEL D. WARRINER, '90, President

## Weston Dodson & Co. Inc.

MINERS AND SHIPPERS

ANTHRACITE AND BITUMINOUS  
COALS

---

ALAN C. DODSON, '00,  
T. M. DODSON, '00,  
G. R. RADFORD, '84,  
W. F. BANKS, '09,  
C. S. KENNEY, '10,  
H. B. TINGES, '12,  
H. M. SEARCH, '15,  
E. M. ROBINSON, '17.

Offices  
BETHLEHEM  
NEW YORK  
PHILADELPHIA  
NEW HAVEN  
BALTIMORE  
DETROIT



## The Service of an Electrical Research Laboratory

The research facilities of the General Electric Company are an asset of world-wide importance, as recent war work has so clearly demonstrated. Their advantages in pursuits of peace made them of inestimable value in time of war.

A most interesting story tells of the devices evolved which substantially aided in solving one of the most pressing problems of the war—the submarine menace. Fanciful, but no less real, were the results attained in radio communication which enabled an aviator to control a fleet of flying battleships, and made possible the sending, without a wire, history-making messages and orders to ships at sea. Scarcely less important was the X ray tube, specially designed for field hospital use and a notable contribution to the military surgical service. And many other products, for both combatant and industrial use, did their full share in securing the victory.

In the laboratories are employed highly trained physicists, chemists, metallurgists and engineers, some of whom are experts of international reputation. These men are working not only to convert the resources of Nature to be of service to man, but to increase the usefulness of electricity in every line of endeavor. Their achievements benefit every individual wherever electricity is used.

Scientific research works hand in hand with the development of new devices, more efficient apparatus and processes of manufacture. It results in the discovery of better and more useful materials and ultimately in making happier and more livable the life of all mankind.

### *Some of the General Electric Company's Research Activities During the War:*

Submarine detection devices  
X-ray tube for medical service  
Radio telephone and telegraph  
Electric welding and applications  
Searchlights for the Army and Navy  
Electric furnaces for gun shrinkage  
Magneto insulation for air service  
Detonators for submarine mines  
Incendiary and smoke bombs  
Fixation of nitrogen  
Substitutes for materials

*Booklet, Y-863, describing the company's plants, will be mailed upon request. Address Desk 37*

# General Electric Company

General Office  
Schenectady, N.Y.

Sales Offices in  
all large cities

95-1401

# ALUMNI BULLETIN

OF

## LEHIGH UNIVERSITY

PUBLISHED QUARTERLY BY THE ALUMNI ASSOCIATION

PUBLICATION COMMITTEE

THOMAS M. EYNON, *Chairman*

SCHUYLER B. KNOX, *Vice-Chairman*

M. A. DEWOLFE HOWE

PAUL M. PAINE

GEO. F. MURNANE

RAYMOND WALTERS

WALTER R. OKESON, *Editor*

Drown Hall, Bethlehem (S.S.), Pa.

Volume 7

MARCH, 1920

Number 3

THE ALUMNI BULLETIN will be sent to all Lehigh men and the subscription price is included in the regular dues of the Alumni Association.

For \$1.00 a year it will be sent to any address indicated by a Lehigh man. Be sure that no promising young man, no reading room, and no employer of engineers in your town is without it.

Readers of the BULLETIN are requested to notify the Alumni Association of changes in address of themselves and of former students so that the ALUMNI LIST, published by the Alumni Association, may be as accurate as possible.

The BULLETIN urges alumni to contribute news. Items should be sent to the Editor.

## THE PROGRAM FOR THE FUTURE

### Definite Plans Made and Definite Action Taken. What Will the Lehigh of the Future Be?

During the past twelve months colleges, as well as industrial concerns, have been endeavoring to strike a balance and lay their plans for the future. Out of the state of flux that the world of men and affairs has been in since the armistice, people everywhere are trying to emerge and endeavoring to secure a firm basis for future operations. Among the colleges almost the only one with definite plans already made and with the future to a great measure provided for was Yale. In most of the others the vital and instant need for money overshadowed everything else. And so came the great drives for endowment we have been witnessing, aggregating, it is said, a total of \$200,000,000. Colleges are like sheep, and no sooner had one started than the others followed. Many of our alumni began to ask the question, "Why does not Lehigh do like all the rest? Why don't we follow suit?" Well, to be quite frank, because Lehigh does not happen to be a "follower." She is and always has been a leader. She led the way in the matter of technical education in this country. She led the way among the colleges in the matter of preparedness for war, and as far back as 1913 our President, Dr. Drinker, was cooperating with General Wood in creating officers' training camps. And she led again in her plans for the future. She did not follow other colleges in their campaigns because she had launched a campaign of her own before any of the others started. Her campaign was not for endowment, because she was one of the few colleges able to solve her problems without such a drive. Bear in mind that endowment drives are not things to be lightly undertaken. Neither are they, especially at this time, all pure gain for the colleges with no loss to anyone else. It is probable that at least half of the \$200,000,000 asked for by the colleges will come out of Uncle Sam's pocket. His tax receipts will be reduced that much and as he cannot do without a dollar of these taxes, some other form of taxation must

make up what is lost by the reduction in income tax returns. Before placing this tax on the country as a whole a college should first exhaust its own resources. Before asking outsiders to bear our burdens, those who have profited and are profiting by Lehigh's teaching should do their full duty.

And so we planned on the basis of our own needs and our own resources. First we took account of stock and this is what we found:

a. An endowment increased by almost two millions since 1914 due to the final settlement of Asa Packer's Estate.

b. A student body of almost a thousand, each paying in our depreciated currency the same number of dollars for tuition as the student of 1914. That is to say paying on the basis of buying power not more than 50% of the tuition paid by the pre-war students.

c. An alumni loyal and interested but who had never learned the lesson of giving to their college. As most of them are salaried men the pressure of the abnormal conditions made large gifts from them impossible.

d. A teaching force which, while underpaid like all other teachers and most salaried men, nevertheless had received advances since 1916 to the extreme extent of the available funds of the University. The total teaching budget in 1919-20 (including the additions to the staff) is 60% greater than in 1914-15. This increase plus the increased cost of supplies and service completely absorbed every dollar of the income from the added endowment.

The following conclusions of the Board of Trustees confirmed by consultation with the Faculty and the Alumni could scarcely be avoided:

a. No large amount for endowment is to be expected from the Alumni at this time.

b. The teaching staff must have further increase in salaries and the plant and equipment of the University must have more money spent on them.

c. The point of highest efficiency for our present plant and endowment must be ascertained and the student body kept as close to that point as possible.

Therefore, after careful deliberation and discussion, lasting for many months, the Trustees in January last raised the tuition rates and decided on 800 as the efficient size for the undergraduate body, based on present size of plant and endowment. Full details as to this action will be found in the following pages.

The Alumni on their part decided that while no drive for endowment was feasible or even necessary at this time that something must be done to draw the Alumni body together and unite them in hearty support of the college. The habit of sacrificing for Lehigh must be acquired. And finally the wonderful record made by Lehigh and Lehigh men during the war must be crystalized into an enduring tradition. And so the Alumni Memorial Building was conceived and a drive was started for \$500,000 to erect, furnish and endow an administration building for the University, which should contain a great Memorial Hall where the record of Lehigh's soldiers and sailors could be writ in imperishable bronze.

The great success of the Memorial Campaign and the enthusiastic interest in Lehigh which it has aroused among the Alumni has led the Directors of the Alumni Association to formulate a complete program for future activities of that body. In the pages that follow are the minutes of the meeting of January 16, at which this program was adopted, and the program is given in full.

Probably the most important part of that program is the Educational Committee which now takes form after many months of investigation and discussion. The cooperation between the Trustees, Faculty and Alumni, shown



so clearly in the matter of the increase in tuition, will be made through the efforts of this committee not a sporadic instance but a daily occurrence.

And don't overlook, in reading of what has been done during the past year in building for the future, the action of the Athletic Committee in creating the new policy of competitive athletics for all. For years Lehigh has led in physical education. It is a regular department, and a student must secure his credits there just as surely as he must get them in mathematics. He must be able to swim as well as to pass his Calculus if he is to graduate from Lehigh. But now we are going farther and endeavoring to provide competitive athletics for the entire student body instead of for the members of a few teams only. The recent generous gift of Charles L. Taylor, '76, to the endowment of the gymnasium he built for us will aid greatly in carrying out these plans.

In all things we propose to give the Lehigh student the best there is to be had in college life and education. We intend to give him not only a well trained mind but a sound, strong body. Not only for himself but for his country. And so in addition to his studies and his sports is provided a course in Military Science and Tactics, through which this sound mind in a sound body may become available officer material to meet America's need when it next arises. The establishment of the Reserve Officers Training Corps unit is another of the many steps Lehigh has taken during the past year, and today we have one of the largest volunteer units among the colleges.

Lehigh knows definitely where she is going and furthermore she intends to arrive. Her goal is not easy of attainment and all that is best in Trustees, Faculty, Undergraduates and Alumni must be given if we are to win through. The special interest of none of these bodies must come before the good of Lehigh. Individuals cannot be considered when the needs of our college are to the fore. We intend to make Lehigh the place which stands preeminently for the finest mental and physical training that is to be had. And we call on every Lehigh man to do his share in making Lehigh, not the largest college in the country, but the best.

---

## THE ALUMNI PROGRAM

### **Minutes of the Seventh Meeting of the Board of Directors of the Alumni Association of the Lehigh University, Inc.**

The meeting was called to order at 2 p.m. by the President, Charles D. Marshall. Other members present, R. S. Perry, H. H. Seovil, Franklin Baker, Jr., Aubrey Weymouth, A. C. Dodson, P. A. Lambert and Walter R. Okeson, Secretary.

Minutes of the last regular meeting of the Directors were read and approved.

R. S. Perry, as Senior Alumni Trustee, reported on the meeting of the Board of Trustees of Lehigh University held two days before. The Directors were informed that Charles L. Taylor, '76, Trustee of Lehigh University, had started an endowment fund for the gymnasium with a gift of \$25,000. This announcement was received with great applause.

He reported further that the Trustees have passed a resolution increasing the tuition rates at Lehigh and suggesting to the President and executive staff that 800 was the efficient size for the student body until such time as the plant and endowment are measurably increased. A resolution was presented by Franklin Baker, Jr., approving the action of the Trustees in increasing tuition rates and fixing upon a policy limiting the student body to the size of greatest efficiency. The resolution, however, recommended that the Trustees make the new tuition rates effective next September for students now in college as well as for the entering class.

(NOTE.—See following pages for results of the presentation to the Trustees of this Resolution.)

After full discussion, lasting until 11 p.m., the following program was adopted section by section:

## **PROGRAM OF WORK**

### **a. Memorial**

The Alumni Memorial Campaign is to be continued by the Association, under the direction of its Secretary, until the entire \$500,000 is raised.

### **b. Professional Records of Alumni**

The Secretary is instructed to procure the equipment necessary to install the following filing system, and is authorized to employ an additional clerk or stenographer to maintain this system.

Each alumnus and undergraduate is to have his name, degree, if any, class, occupation, business address and home address entered on an individual card. The name to be in caps if a graduate, lower case if a non-graduate, and in red ink if an undergraduate. Such a file of cards will then be a complete Alumni Directory. When a change is received a new card is to be substituted so that at all times this Directory will be correct and up to date. The old card is then to be filed in an individual folder, of which there is to be one for each alumnus and undergraduate. In this folder will also go a record of undergraduate activities, all letters received from the man in question, newspaper clippings, and in fact, in so far as we can secure it, a complete record of his professional career. This file will then give by proper cross-indexing a record which will be of great aid in placing our alumni in positions for which they are specially fitted, and will enable us to answer promptly inquiries for experts in any line. For each man there are to be two stencils made, giving his name and address. One set is to be arranged by classes, the other set by districts. New stencils are to be made as soon as a change in address is received, and the old stencils removed. We will thus constantly have an up-to-date list of addresses for any class or for any club. If the class or club secretaries desire it we can have printed and send out all their notices or letters, using our addressograph for addressing the envelopes or postals and charging the class or club merely the cost of printing and postage.

### **c. Class Reunions**

The Secretary reported an absolute lack of interest in or recognition of the Dix Plan of Group Reunions adopted by the Alumni Association in 1917. As all classes persist in their desire to hold reunions on their fifth, tenth, fifteenth and so on up to fiftieth anniversaries, it was voted to scrap the Dix Plan and return to the old system of Reunions.

### **d. Class Organization**

The wide variation of the efficiency of class organizations was discussed and the great need of the classes acting as a body in directing the affairs of the Alumni Association was pointed out. It was voted to hold on the evening of June 11th, 1920 (the night before Alumni Day), a dinner in honor of the fiftieth anniversary of Dr. H. R. Price, '70, President of the Board of Trustees, and to urge every class to send to that dinner official representatives to discuss and take action on class organization. The entire Alumni body is to be invited to the dinner but the presence of the President and Secretary of each class, together with the class chairmen of Reunion and Memorial Committees, is to be urgently requested.

### **e. Plans for Increased Endowment**

Franklin Baker, Jr., proposed that an Alumni Foundation be established to receive and administer all gifts and bequests from alumni given or left to the care of such Foundation. The recent bequests from alumni, notably that

of H. A. J. Wilkens, '87, make it evident that our alumni are seriously thinking of their Alma Mater when they draw up their wills. It was voted that a committee of three be appointed to prepare proposals to be submitted covering the creation of such a foundation and with authority to consult with the counsel of the University, and prepare forms of will clauses and codicils to publish in the ALUMNI BULLETIN and to be sent at regular intervals to our alumni.

#### f. Alumni Educational Committee

The resolution passed at the 6th meeting of the Board was revised giving the President authority to increase the proposed Alumni Educational Committee from three members to any size he might deem wise. It was recommended that each department in the College of Engineering have at least one alumnus representing it on this Committee, and that the College of Business Administration and the College of Liberal Arts each have at least one alumni representative. This Committee is to act as a clearing house for all alumni and undergraduate suggestions and to consult with the Trustees, Administration and Faculty as to the needs and limitations of Lehigh, reporting from time to time and making such recommendations as may, after mature deliberation, appear to it wise and beneficial.

#### \*g. Additional Funds for Alumni Work

The Treasurer reported that the work of the Association was being greatly hampered by lack of funds. With 2000 active members whose dues average about \$3 per year the income from yearly dues was quite insufficient. During the first two years the increase from 600 members to 2000 had brought in considerable money from arrearages and this had enabled the Association to meet its expenses. As we are approaching our present limit of membership this source can no longer be counted on for any large income. On the other hand the work of the Association is expanding constantly and the costs of course have mounted as have all costs during the past three years. It was accordingly proposed that an amendment to the By-Laws be submitted to a vote of the membership changing the dues from the present rates of \$1, \$2, \$3 and \$5 to \$2, \$3, \$5 and \$10, and increasing Life Membership to \$150. The only alternatives suggested were either to allow the work to be subsidized by having a class of contributing members, or else greatly increase the present membership. The first means would be fatal to the growth of membership, and the second almost impossible with the present inactive class organizations. Of course if all classes would work as '83, '17 and '18 worked last year there would be no trouble whatever in doubling our membership. But although some classes are not far behind the ones mentioned in fire and spirit the great majority are at present content to merely "go along." The consensus of opinion was that the dues must be raised as the work of the Association was vitally important to Lehigh's future welfare, and the feeling was that Lehigh men would make great sacrifices rather than see it curtailed. Accordingly the Secretary was instructed to draw up an amendment to the By-Laws and submit it to the membership. (*See next page for change in this minute adopted by letter vote.*)

At 11 p.m., after a continuous session of 9 hours (the meeting continued during the excellent dinner given the members by the President) the meeting adjourned.

WALTER R. OKESON,  
Executive Secretary, Alumni Association  
of the Lehigh University, Inc.,

**\*ALUMNI BULLETIN TO BECOME A MONTHLY****Subscription Fixed at \$2.00 per Annum. Free List to be Abolished**

February 24th, 1920.

To the Board of Directors of the Alumni Association  
of Lehigh University, Inc.

At the direction of the Executive Committee of the Board, I am writing you to obtain your approval of a change in the minutes of the meeting of January 16th, 1920.

The minute referred to is the one covering the submission of an amendment to our By-Laws authorizing an increase of dues.

After careful investigation it has been decided by the Executive Committee that the increase in dues of our oldest class of members from \$5 to \$10 per annum will work real hardship on many of such members. In a number of cases where men have been active members and paid their dues regularly since graduation the proposed rate would be prohibitive and they would find themselves unable to continue as active members. With \$50,000 of back dues on our books it seems entirely wrong to ask those who have always supported the work of the Association to double their yearly rate in order that those who have previously shown no interest continue to have the benefit of the work of the Association. Instead it seems wise to make one more effort to line up at least a part of our members who are not giving their support and then to confine our work more closely to the ones who pay to have it done.

This opens a direct way of increasing our revenue which of course must come at once if our work is to continue. This way is through the medium of the ALUMNI BULLETIN. At all other colleges the Alumni paper is sent only to subscribers and these subscriptions add most materially to the revenues of the Alumni Association. If the BULLETIN was published monthly from October to June inclusive it is felt that all the active members of the Association would gladly pay a fair subscription price of say \$2.00 per year in order to get the news of the college and of the Alumni regularly and promptly. The employment department of the Association would be wonderfully aided by the monthly appearance of the BULLETIN and in fact the work of the Association and of the University would be bettered all along the line. The dropping of our enormous free list and the increased advertising revenue would take care of the increased publishing cost. The revenue from subscriptions would go to making up the deficit that now exists in the maintenance of our Alumni offices and office force.

Therefore, the Executive Committee proposes that the Minute covering increased dues be voided and that instead a Minute be inserted calling for the monthly publication of the BULLETIN from October to June, inclusive, at a subscription price of \$2.00 per year and that it be mailed only to such members as pay their subscription.

Trusting to receive promptly your vote on this proposed substitution, I am,  
Yours very sincerely,

WALTER R. OKESON,  
Executive Secretary.

Approved:

C. D. Marshall.  
R. S. Perry.  
H. H. Scovil,  
Franklin Baker, Jr.,  
H. S. Williams,

Aubrey Weymouth,  
W. W. Coleman,  
P. A. Lambert,  
A. C. Dodson,  
W. R. Okeson.

## TUITION RATES ADVANCED

### Joint Action by Trustees, Faculty and Alumni. "A Milestone in Lehigh's Progress"

Probably the most significant and noteworthy action taken in recent years by the authorities at Lehigh was the passing of a resolution to raise the tuition rates at Lehigh. Of course the action in itself is not particularly unique as practically all colleges are taking this step, feeling that it is scarcely right to expect their faculties to continue to absorb the increased cost of education when we do not ask the corner grocer, the butcher and the dry-goods man to absorb the increased cost of foodstuffs and clothes. In 1914 each boy at Lehigh paid about 40% of the cost to the University to educate him, but today he is only paying about 25%. The added tuition will not bring him back to the old percentage if Mr. Vanderlip, President of the National City Bank, is correct in his estimate that a dollar today is of the same value as 47 cents in 1914. But he will be bearing part of the increase in the cost of his education and be paying at least 75% of what the student of 1914 paid for tuition.

The significance of the action at Lehigh is in the fact that the Alumni Directors acted with the Board of Trustees in this matter and their advice to make the raise in tuition applicable to men now in college, as well as to those entering in September next, and thereafter, distinctly affected and modified the Trustees' action. This advice will result in securing to Lehigh from the men now in college, graduating in 1921, '22 and '23, an additional amount approximating, in the next three years, a total of \$100,000, which the college badly needs for teachers' salaries and equipment. The present students pay more, to be sure, but every dollar will go to giving them more effective education and they will actually get more for each dollar expended than would be possible under the old rates.

We do not have room for comparison with other colleges but it may be of interest to note that M. I. T. has also raised its rates for Engineering students to \$300. Lafayette, our friendly enemy down the river, has increased her rates \$100, but as her old rate was \$50 less than ours the difference still remains.

It goes without saying that the alumni will appreciate the attitude of the Board of Trustees who, on receiving the resolution from the Alumni Association, not only at once called a meeting to reconsider a decision which they looked upon as final, but invited the Directors of the Association to meet with them and participate in the settlement of this important question. Truly as one old "grad" remarked, "The world do move."

The letter from Mr. Wilbur, Secretary of the Board of Trustees, and the transcript of the minutes of this Board which follow fully cover all the details.

W. A. WILBUR,

Bethlehem, Pennsylvania.

Mr. W. R. Okeson, Secretary,  
Alumni Ass'n of Lehigh University,  
Lehigh University, Bethlehem, Pa.

My Dear Sir:

Enclosed herewith please find copy of Resolution passed by the Trustees of Lehigh University at their meeting held January 27th, 1920.

I am requested to express to your Board the sincere thanks and deep appreciation of this Board of Trustees for your recommendations and unanswerable arguments in the matter of making increased rates effective September, 1920, to all students entering or already entered Lehigh University. This immediate increase will very greatly benefit the University in enabling the Trustees at an early date to increase the salaries of the teaching force, to

provide funds towards needed equipment, and for other University needs. This cooperation on the part of the Alumni with the Trustees makes a new milestone in Lehigh's progress.

Yours very truly,

THE BOARD OF TRUSTEES OF LEHIGH UNIVERSITY,

By W. A. WILBUR, Secretary.

WHEREAS, this Board passed at its meeting held January 14, 1920, the following resolution:

*Resolved*, That commencing with the collegiate year in September, 1920, the tuition fees for students *then entering* Lehigh University be and hereby is increased as follows:

Engineering Course from \$200 to \$300 per annum.

Business Course from \$150 to \$250 per annum.

Arts and Science Course from \$150 to \$200 per annum.

and that the announcement of these increases be made in the forthcoming issue of the Register:

And be it further

*Resolved*, That the Board of Trustees suggest to the President and Executive staff that in their judgment a student body of about 800 is an ideal number, commensurate with Lehigh's plant, equipment and facilities, to efficiently educate and maintain the Lehigh standard, so long a tradition of Lehigh University.

AND WHEREAS, we, the Board of Trustees of Lehigh University have received a communication from the Board of Directors of Alumni Association of Lehigh University (Inc.) and dated January 19, 1920, as follows, to wit:

ALUMNI ASSOCIATION OF THE LEHIGH UNIVERSITY, INC.,

Drown Hall,

Bethlehem, Pa., January 19, 1920.

Dr. Henry S. Drinker,

President, Lehigh University,

Bethlehem, Pa.

Dear Dr. Drinker:

At a special meeting of the Board of Directors of the Alumni Association of the Lehigh University, Inc., held in Philadelphia on January 16th, 1920, the follows resolution was passed:

WHEREAS, it is understood that at a recent meeting the Board of Trustees of Lehigh University voted (1) to adopt the policy of limiting the number of students to the efficient working capacity of the University, and (2) to increase the tuition fees by approximately 50 per cent to classes entering on September, 1920, and thereafter:

AND WHEREAS, we heartily approve of and desire to endorse their action, except as to the time of the increased tuition fees becoming effective;

AND WHEREAS, we believe an expression of opinion from the alumni would be appreciated as indicating their loyal and faithful interest in their Alma Mater:

BE IT RESOLVED, (1) that in view of the unprecedented expense of the maintenance of equipment and of the larger salaries necessary to the highest efficiency of the teaching force, and (2) of the loss to the University of about One Hundred Thousand Dollars, and (3) because we strongly believe that, college precedents notwithstanding, the Board of Trustees would be justified in making the increase in tuition fees become effective September, 1920, for *all classes now in or entering the University on or after that date*:

We recommend that before any notice or publication be given to the subject, a special meeting of the Board of Trustees be called for reconsideration.

AND BE IT FURTHER RESOLVED, that a copy of these resolutions be sent promptly to the President of the University for his consideration and for whatever action he may think best.

For the Board of Directors,

WALTER R. OKESON,

Executive Secretary.

AND WHEREAS, by reason of the above communication, it was thought wise to hold a special meeting of this Board and invite the Directors of the Alumni Association to meet with us in discussing the question, and further a letter was received from the Faculty dated December 11th, as follows, to wit:

Dr. H. S. Drinker,

President, Lehigh University.

Dear Sir:

At a special meeting of the Faculty, held December 9, at 4 p.m., at which you discussed with the Faculty the matter of advancing the tuition fees in the University, the following resolution was unanimously adopted by the Faculty:

"RESOLVED, that it is the sense of the Faculty that the tuition fees in the University should be substantially increased."

Yours truly,

C. L. THORNBURG, Secretary.

NOW, THEREFOR, in deference to the arguments advanced tonight by the representatives of the Alumni Association, their letter, the letter of the Faculty, and after full discussion by this Board,

IT IS FURTHER RESOLVED, that the action of this Board in reference to advanced tuition taken at their meeting held January 14th, be now rescinded, and the following Resolution be and is hereby substituted:

"Resolved, That, commencing with the collegiate year in September, 1920, the tuition fees for *all classes now in* or entering the University on or after that date be and hereby is increased as follows:

Engineering Course from \$200 to \$300 per annum.

Business Course from \$150 to \$250 per annum.

Arts and Science Course from \$150 to \$200 per annum.

and that the announcement of these increases be made in the forthcoming issue of the Register:

And be it further

Resolved, That the Board of Trustees suggest to the President and Executive staff that in their judgment a student body of about 800 is an ideal number, commensurate with Lehigh's plant, equipment and facilities, to efficiently educate and maintain the Lehigh standard, so long a tradition of Lehigh University."

From the Minutes.

W. A. WILBUR, Secretary.

## WINTER MEETING OF THE ASSOCIATION OF COLLEGE PRESIDENTS OF PENNSYLVANIA

### Follow Lehigh's Lead in Applying Increased Tuition to all Students

The winter meeting of the Association of College Presidents of Pennsylvania was held at Harrisburg, January 29, 1920. Vice-President Emery of Lehigh University attended on behalf of Lehigh. The main subject of discussion was one of finances.

A round table discussion showed that without exception the colleges represented either had increased the tuition fee for September, 1920, or contemplated doing so. The following resolution was adopted:

*“Resolved, That because of the necessity of increasing teachers’ salaries and because of largely increased cost of all supplies, it is the judgment of this Association that any increase in college fees, which now seems to be an imperative necessity, should apply to all students in college and not only to those who shall enter after the increase is decided upon.”*

The spring meeting of the Association is to be held, on the invitation of President Drinker, of Lehigh, and President MacCracken, of Lafayette, jointly at both institutions,—probably one day at Lehigh and one day at Lafayette, or part of the day at each place.

## Lehigh Alumni Educational Committee

### Minutes of Organization Meeting held in Philadelphia, February 21, 1920

The first meeting of the newly appointed Educational Committee was held in the McClintic-Marshall Co. offices in the Morris Building, Philadelphia, at 2 p.m., Saturday, February 21, 1920. The following members were present:

H. G. Reist, '86,	C. D. Marshall, '88,
H. H. McClintic, '88,	H. T. Morris, '91,
Franklin Baker, Jr., '95,	Walter S. Landis, '02.
W. R. Okeson, '95,	

The meeting was called to order by C. D. Marshall and the purpose for which the committee was formed was outlined by him and by Franklin Baker, Jr. Walter R. Okeson then gave a brief résumé of the work done by similar Alumni Committees at other colleges, with special emphasis as to the Alumni Committee of Yale University on a plan for University Development. The report of this Committee presented to the Yale Corporation on February 17, 1919, was read in full. The report made by the sub-committee on Educational Policy appointed by the Yale Corporation to consider the Alumni Committee's report was also read in part to show the close cooperation between the Yale Corporation, the Administration of the University and the Faculty on the one hand and the Alumni Committee on the other. So excellent was this cooperation that on March 17th, 1919, just a month after the submission of the Alumni Report, the Yale Corporation approved a report of its sub-committee on Educational Policy, which report states that after considering the recommendations of the comprehensive report of the Alumni Committee the Yale Corporation Committee “has adopted most of them substantially in the form suggested.” It is quite evident both from the reports and from the results that the Alumni Committee had worked during the two years of its existence in constant harmony with the University authorities and had received from them constant advice and assistance in reaching their conclusions. The remarkable thing is that such a far-reaching reorganization could be effected without friction and with the approval of all concerned. It is quite evident that this Alumni Committee served as a clearing house for all suggestions and that only after careful deliberation, including consultation with the University staff and representative outside educators, was any suggestion adopted.

These two reports were of vast aid to our new Educational Committee, suggesting the many ways in which such a committee could usefully function. After the Committee had organized by electing C. D. Marshall permanent Chairman, Franklin Baker, Jr., Vice-Chairman, and Walter R. Okeson, Secretary, they instructed the Secretary to secure, if possible, additional copies of these reports for their perusal.

It was the unanimous opinion of the Committee that it should not make any definite start on its work until it received the approval and sanction of the Board of Trustees of Lehigh University. The Secretary was instructed to draft a letter to be sent by the Chairman to President Drinker for presentation



to the Board of Trustees, setting forth the objects of the Committee and requesting the sanction and cooperation of the Board of Trustees and the Administration of Lehigh University.

Pending the receipt of answer from the Trustees the Committee adopted a tentative outline of the various subjects on which they hope to receive and disseminate information and on which they will be prepared to receive and consider suggestions. Unless suggestions are constructive, fit in with the University program of work and are within the financial limits of the University, they will not of course be very helpful, but perhaps even if impossible of adoption they may be enlightening.

#### TENTATIVE PROGRAM

1. University Organization:
  - a. Administration.
  - b. Faculty.
  - c. Students.
2. Departmental Organization:
  - a. Administration.
  - b. Faculty Representation.
  - c. Equipment.
  - d. Cooperation.
3. Educational Requirements:
  - a. Entrance Examinations.
  - b. Courses.
  - c. Degrees.
4. Buildings and Grounds.
5. Finance:
  - a. Income.
  - b. Endowment.
  - c. Bequests.
  - d. Expenditures.

It being recognized that this Committee does not in itself possess inherent knowledge of University problems, it is of course proposed to limit itself to comparing and analyzing the information furnished by those possessing this knowledge and by consultation with the experts to try and crystallize the varying suggestions and recommendations into a few general principles which meet the approval of Faculty, Trustees and Administration and if possible that of the Alumni and Under-graduates as well. Accordingly the first step is to consult with the Administration and the Secretary was requested to secure the presence of Dr. Drinker and Dr. Emery at the next meeting of the Committee. The date of this meeting was fixed as March 27th, to commence at one p.m., in the McClintic-Marshall Co.'s offices, at 50 Church Street, New York City.

The Secretary was instructed to send copies of these minutes to all members of the Committee. The meeting adjourned at 5:30 p.m.

WALTER R. OKESON, Secretary.

NOTE.—The Committee as at present constituted (its personnel is subject to changes and additions) is as follows:

- Charles D. Marshall, '88, Chairman.
- Franklin Baker, Jr., '95, Vice-Chairman.
- H. D. Reist, '86, for Electrical Engineering.
- M. A. DeWolfe Howe, '86, for Liberal Arts.
- H. H. McClintic, '88, for Civil Engineering.
- S. D. Warriner, '90, for Mining and Geology.
- G. F. Murnane, '10, for Business Administration.
- H. T. Morris, '91, for Mechanical Engineering.
- W. S. Landis, '02, for Chemistry and Metallurgy.
- W. R. Okeson, '96, Secretary.

## ANOTHER GIFT BY "CHARLEY" TAYLOR

The students of Lehigh University, assembled in Packer Memorial Church on the morning of January 16, 1920, to vote on proposals relating to the League of Nations, had a happy surprise in the announcement by President Drinker that Charles L. Taylor, E.M., '76, Eng.D., '19, has started an endowment for the up-keep and maintenance of the Taylor Gymnasium and Field House and has made an initial donation of \$25,000 toward the fund. These two connected buildings were the magnificent gift of Dr. Taylor to Lehigh in 1914, so that the students in general and the athletic teams since have enjoyed gymnasium and field house facilities not surpassed at any college in the country.

President Drinker told the student body that the new gift of Dr. Taylor was announced at the recent meeting of the Board of Trustees of the University. Dr. Taylor's communication to the Board set forth his "desire and purpose to start an endowment fund for the Taylor Gymnasium of Lehigh University," and stated his initial gift of \$25,000 to this end. Dr. Taylor's letter further read: "The above principal of this fund and any additions thereto that I may hereafter make is to remain perpetually intact. The income therefrom is primarily to be used for the upkeep, maintenance and improvement of the gymnasium plant and equipment for general athletic activities. Any unused income should be held primarily as a fund for future gymnasium and athletic uses, or may be employed for such requirements of Lehigh University as in the wisdom and discretion of the Board of Trustees, from time to time, is deemed for the best interests of the University."

The following resolutions were passed by the Board of Trustees:

Be it *Resolved*, that the Trustees of Lehigh University hereby accept the Trust as recited, and in its acceptance, desire to record their profound sense of gratitude for, and appreciation of, Mr. Taylor's gift, following his splendid donations of the Taylor Gymnasium and Field House;

And be it further *Resolved*, that these great gifts, record, in our estimation, a most remarkable and unparalleled acknowledgment and appreciation by Mr. Taylor of Lehigh's benefits to him, which will be a great and continuing incentive to us, his fellow associates in the Board of Trustees, Executives, Faculty, and teaching force, and especially in the Alumni and student body, in added efforts, for the advancement of the interests of Lehigh University.

The pleasure and satisfaction of the Lehigh students were expressed in a hearty resolution of thanks, unanimously carried, by which the Presidents of the four classes were instructed to prepare an expression of the student body's gratitude for presentation to Dr. Taylor.

---

## ALUMNI DIRECTORY

**New Issue to Come out in June**

After considerable trouble a publisher has been secured for the Alumni Directory who would promise the completion of the issue before Alumni Day. Paper for the issue has been secured and the work has been started in the composing rooms. Changes in addresses and new addresses can be taken care of until about May 1, but after that it will be too late as we hope to go to press on that date. There are still hundreds of men who have not sent in their occupation, business and home addresses, although every one has been written to twice about this within the past six months. Once again we beg your cooperation.

All of the Alumni work costs more than it should in time and money because the members do not cooperate. This is true in every Alumni Association. But please to remember that you are *Lehigh men* and something more than the ordinary is expected of you.

## THE ALUMNI MEMORIAL CAMPAIGN

### NAMES OF SUBSCRIBERS AND TOTALS TO MARCH 1, 1920

The report sent to all alumni, about February 1, 1920, gave our total as \$365,000 coming from 1500 subscribers. Following this report a letter was sent to each class chairman asking him to stir up his class once again in order that our total be brought up to 1800 subscribers and \$400,000 by spring. It is too early yet to have results from the renewed activity of the class committees but it is encouraging to note that 100 subscriptions, totaling almost \$10,000, have come in since our report was compiled. It is evident that the promises made last fall to "subscribe later" are going to be redeemed.

### ADDITIONAL GUARANTORS

When the Memorial Committee undertook this campaign they recognized that unless a goodly proportion came from large subscriptions they could never hope to raise a half-million dollars. So they planned to try and secure in a preliminary campaign 200 "guarantors" who would subscribe, in amounts from \$500 up, a total of \$300,000. Then in the general campaign the effort would be to secure \$200,000 more from about 2000 subscribers. In the August BULLETIN we noted that the preliminary campaign had secured 150 "guarantors" for a total of \$225,000, and we appealed for fifty more subscribers to help underwrite this project by putting themselves in the guarantor class. So far 44 men have responded to this appeal with subscriptions totaling \$30,000, and we give their names herewith:

Wallace M. Scudder, '73.	E. J. Prindle, '90.	T. H. Clagett, '97.
James F. Marsteller, '77.	E. A. Quier, '91.	F. B. Bell, '98.
H. M. Bylesby, '78.	R. A. Downey, '92.	T. B. Wood, '98.
J. W. Eckert, '78.	S. W. Labrot, '92.	Wm. T. White, '00.
B. B. Nostrand, '78.	J. B. Semple, '92.	Yen Te Ching, '01.
M. M. Duncan, '80.	J. C. Shriver, '92.	W. L. Heim, '02.
D. G. Kerr, '84.	J. J. Edson, Jr., '93.	H. S. Campbell, '04.
R. H. Wilbur, '85.	Wm. S. Jones, '93.	F. P. Sinn, '04.
J. M. Howard, '87.	*E. A. Grissinger, '94.	*J. D. Berg, '05.
W. S. Jones, '87.	Frank Faust, '94.	Miles Chapman, '05.
G. F. Pettinos, '87.	G. C. Hutchinson, '94.	T. G. Fear, '06.
E. P. Van Kirk, '87.	W. C. Swartz, '94.	W. H. Grady, '06.
F. W. B. Pile, '88.	C. P. Turner, '94.	E. M. McNally, '07.
C. P. Turner, '89.	R. P. Lentz, '95.	E. M. Robinson, '17.
W. E. Weimer, '89.	C. C. Rutter, '96.	Wm. G. Nowell, '22.
	J. H. Siegel, '96.	

\* Should have been starred as "guarantor" in the August BULLETIN.

### ARCHITECTS, PLANS AND LOCATION

The architects selected for the Memorial Hall are Visscher & Burley, of 363 Lexington Avenue, New York City. They are both Lehigh men, Burley of the Class of '94, and Visscher of the Class of '99. The Building Committee, headed by Frank Dravo, '87, have selected from the several designs submitted by the architects the one which was reproduced in the November, 1919 BULLETIN. The site for the building has been determined by the Board of Trustees of the University in consultation with the architects and with Mr. Leavitt, the landscape architect for the University. This location is practically on the present site of the house occupied by Professor Thornburg. The architects are making rapid progress with the working drawings and we will be ready to call for bids as soon as the money is in hand. We do not purpose letting the contract until we actually have the money. The University will of course have to sign this contract and assume responsibility for payment, and we will not ask them to do this until the \$300,000 needed for the building is actually in the bank. At the present the amount paid agrees closely with the pledges, as we have received in payment on pledges approximately \$143,000. The high lights in the campaign are the large proportion of subscribers—1600 or 33% of our total alumni body—and the fact that payments to date are in excess of promises. The point to be thought of seriously is that the average size of our subscriptions is somewhat below the figure counted on. However, the fact that scores of men have already voluntarily increased their subscriptions indicates that this average will increase materially, and this increase, together with the six hundred additional subscriptions we hope to obtain, will give us the total we are looking for.

The Class and District totals and the names of all subscribers follow. In future issues of the BULLETIN the names of additional subscribers will be given. The following class quotas would give us our half million. They are based on what each set of classes have done to date, on the theory that each set of classes can increase its present total by at least 33%:

'69 to '75, inclusive—	7 classes at \$	500 =	\$ 3,500
'76 to '82, inclusive—	7 classes at	2,500 =	17,500
'83 to '86, inclusive—	4 classes at	7,500 =	30,000
'87 to '89, inclusive—	3 classes at	33,000 =	99,000
'90 to '89, inclusive—	10 classes at	20,000 =	200,000
'00 to '09, inclusive—	10 classes at	10,000 =	100,000
'10 to '19, inclusive—	10 classes at	5,000 =	50,000

Total.....\$500,000

(Note.—Please notify us of any mistakes in names or totals.)

#### CLASS TOTALS

Class	No. of Subscribers	Total	Class	No. of Subscribers	Total	Class	No. of sub-scribers	Total
"Class of '66"	29	\$ 3,560	1887	23	\$25,150	1906	48	\$ 6,045
1869	—	—	1888	22	26,055	1907	80	10,250
1870	1	200	1889	33	27,815	1908	53	5,390
1871	1	1,000	1890	30	18,060	1909	43	3,463
1872	—	—	1891	27	5,225	1910	70	5,440
1873	1	1,000	1892	28	7,990	1911	54	3,465
1874	4	400	1893	31	10,660	1912	44	3,790
1875	3	250	1894	42	15,115	1913	44	5,626
1876	6	5,600	1895	64	19,841	1914	43	2,915
1877	5	1,110	1896	54	16,410	1915	45	2,640
1878	8	5,000	1897	36	7,315	1916	73	3,807
1879	5	450	1898	24	5,600	1917	88	5,000
1880	4	635	1899	30	35,760	1918	67	5,865
1881	3	1,150	1900	22	8,215	1919	28	952
1882	5	1,350	1901	26	8,015	1920	6	205
1883	24	* 6,905	1902	22	5,605	1921	6	170
1884	10	4,300	1903	47	4,232	1922	11	420
1885	12	5,305	1904	46	7,355	1923	10	720
1886	17	5,625	1905	45	7,410	Total	1591	\$373,711

\* One member of this class subscribed \$10,000 to be divided equally among four Lehigh members of his family—'85, '13 and '18 profit by this action.

#### DISTRICT TOTALS

District	No. of Subscribers	Total	District	No. of Subscribers	Total
1—Pittsburgh	142	\$101,475	14—Western New York	29	\$ 5,015
2—Lehigh Valley	245	65,083	15—Central New York	33	4,665
3—New York	275	49,109	16—Pacific Coast	18	4,165
4—Philadelphia	204	46,895	17—Southern States	43	4,005
5—Central Penna.	57	12,010	18—W. Va. and So. Ohio	27	3,845
6—Illinois	38	11,472	19—Michigan	20	2,610
7—New England	72	9,745	20—Erie (Pa.)	9	2,270
8—Maryland	67	8,991	21—*District of China	12	1,425
9—N. E. Penna.	69	7,170	22—Indiana	3	1,100
10—National Capital	55	6,910	23—Mo. & Kas. (St. Louis)	14	927
11—Southern Anthracite	40	6,690	24—Minnesota	6	650
12—Northern Ohio	45	6,665	25—Utah	6	360
13—Wisconsin	12	5,000	26—Miscellaneous	47	5,909

\* Note the response from far-off China.

#### SUBSCRIBERS TO MEMORIAL FUND

1866 (Honorary)	1870	1876
V. S. Babasinian	Henry R. Price	Wm. Griffith
Prof. R. W. Blake		W. L. Raeder
F. G. Borowsky	1871	Dr. Thos. O'Reilly
F. J. Borowsky	H. S. Drinker	Walter P. Rice
M. S. Borowsky	1873	Lowdon W. Richards
Rae Borowsky	Wallace M. Scudder	Chas. L. Taylor
A. N. Cleaver	1874	1877
Coxe Stocker Sales	Casper W. Haines	Geo. M. Heller
Co.	W. D. Hartshorne	H. S. Jacoby
C. H. Dickerman	Allan A. Herr	Jas. F. Marsteller
Mrs. Wm. C. Dickerman	Robt. Mitchell	David N. McBrier
W. C. Dickerman, Jr.	1875	Lewis T. Wollé
S. J. Glass (father of	A. E. Meaker	1878
A. F. Glass, '15)	J. M. Morrison	Chas. Bull
Agnes E. Gummere	E. H. Williams, Jr.	H. M. Bylesby
Elizabeth H. Gummere		John W. Eckert

Frank P. Howe  
B. B. Nostrand, Jr.  
M. P. Paret  
H. F. J. Porter  
Robt. H. Read

1879

J. S. Cunningham  
F. D. Palmer  
F. W. Sargent  
J. H. Tracy  
R. H. Tucker

1880

M. M. Duncan  
J. T. Reese  
F. P. Spalding  
W. A. Warren

1881

John T. Burke  
Thos. M. Eynon  
S. W. Russell

1882

L. O. Emmerich  
Chas. C. Hopkins  
Elmer H. Lawall  
Robt. T. Morrow  
Conrad Reno

1883

Taylor Allderdice  
Walter Briggs  
Elmer E. Brosius  
H. A. Butler  
Hedley V. Cooke  
Alfred E. Forstall  
W. T. Goodnow  
Geo. G. Hood  
W. D. Jannet  
J. deBruyn Kops  
P. A. Lambert  
J. W. Leithead  
E. F. Miller  
W. F. More  
Nelson Morrow  
Thos. Nicholson  
G. S. Patterson  
Rembrandt Peale  
\*H. A. Porterfield  
(dead)

Francis H. Purnell  
J. W. Reno  
C. L. Rogers  
C. Henry Stinson  
Wyle T. Wilson

1884

H. B. Douglas  
Louis Focht  
H. T. Harper  
J. A. Jardine  
Jas. W. Kellogg  
D. G. Kerr  
Jas. W. Packard  
G. R. Radford  
A. Farker Smith  
J. A. Watson

1885

H. L. Auchmuty  
Wm. S. Campbell  
Arnold P. Miller  
Geo. H. Neilson  
D. K. Nicholson  
John Peale  
John B. Price  
B. E. Rhoads  
H. W. Rowley  
G. W. Snyder, 2nd  
Lewis B. Stillwell  
Rollin H. Wilbur

1886

George H. Cobb  
L. J. H. Grossart  
M. S. Hanauer  
S. J. Harwi  
M. A. DeWolfe Howe  
Robt. McA. Lloyd  
Paul D. Millholland  
H. G. Reist  
Joseph W. Richards

Wm. H. Sayre  
E. S. Stackhouse  
Theodore Stevens  
Rev. Wm. P. Taylor  
Thos. P. Thomas  
Harry Toulmin  
Priestley Toulmin  
Curtis H. Veeder

1887

Frank A. Amsden  
Robt. W. Barrell  
C. A. Buck  
L. F. Chapman  
F. R. Dravo  
Milton H. Fehnel  
John H. Fertig  
John M. Howard  
W. S. Jones  
W. F. Kiesel, Jr.  
F. H. Knorr  
John Ledoux  
Ralph W. Lee  
Wm. W. Mills  
Geo. F. Pettinos  
G. T. Richards  
Frank S. Smith  
E. P. VanKirk  
\*H. A. J. Wilkins  
(dead)

Homer D. Williams  
N. J. Witmer  
Walter Wyckoff  
C. F. Zimmele

1888

M. L. Byers  
C. P. Coleman  
G. H. Davis  
Geo. F. Dravo  
Geo. S. Franklin  
L. P. Gaston  
Wm. Gates  
H. T. Hartman  
Wm. H. Hubbard  
D. J. Jenkins  
Jas. S. Mack  
C. D. Marshall  
H. H. McClintic  
Chas. J. Miller  
Harlan S. Miner  
Harry S. Morrow  
C. J. Parker  
R. S. Perry  
F. W. B. Pile  
Albert G. Rau  
C. E. Raynor  
E. B. Wiseman

1889

S. E. Berger  
Ralph P. Barnard  
Albert H. Bates  
Wm. Butterworth  
F. J. Carman  
H. M. Carson  
Wm. A. Cornelius  
Emil Diebitsch  
J. W. Dougherty  
R. M. Dravo  
Henry W. Frauenthal  
C. R. Hinchman  
A. A. Hoehling, Jr.  
C. W. Hudson  
J. M. Humphrey  
S. E. Lambert  
John J. Lincoln  
Arthur Long  
Wm. McLeod  
Geo. E. Manning  
Chas. W. Moffett  
John T. Morrow  
Richard H. Morris  
Albert D. Oberly  
C. W. Schwartz  
Stewart A. Shimer  
A. M. Smyth  
A. W. Stockett  
A. T. Throop  
Chas. P. Turner  
Clarence Walker  
Walter E. Weimer  
Ed. A. Wright

1890

George Barclay  
F. R. Barrett  
E. H. Beazell  
W. H. Beck  
Adolfo Cardenas  
F. R. Coates  
J. Barlow Cullum  
J. W. DeMoyer  
John G. Fleck  
H. A. Foering  
D. G. Hearne  
C. G. Howe  
Wm. Jennings  
H. H. King  
Wm. V. Kulp  
John E. Litch  
Geo. F. Metzgar  
C. H. Miller  
R. E. Neumeyer  
Wm. C. Perkins  
Dr. Chas. M. Platt  
Alexander Potter  
Edwin J. Prindle  
Henry J. Sherman  
M. S. Sohn  
Theo. A. Straub  
Mercer B. Tate  
C. C. Tomkinson  
S. D. Warriner

1891

H. E. Atkins  
John E. Bucher  
F. S. Camp  
E. H. Cox  
Fred Davis  
F. H. Davis  
Alban Eavenson  
Walton Forstall  
Wm. A. Heindle  
John S. Heilig  
P. D. Honeyman  
Elias Vander Horst  
W. E. Johnson  
Henry Kemmerling  
H. M. Knapp  
Rev. F. C. Lauder-  
burn  
Edwin Lefevre  
John S. Miller  
H. T. Morris  
Paul M. Paine  
W. T. Patterson  
Edwin A. Quier  
Edgar R. Reets  
J. E. Talmage  
D. Anthony Usina  
Wm. A. Webb  
P. B. Winfree

1892

W. W. Blunt  
C. M. Case  
George P. Case  
Philip L. Cobb  
F. A. Coleman  
S. D. Cushing  
Herman H. Davis  
Robt. A. Downey  
Percival Drayton  
George W. Engel  
Thaulow Gjersten  
Wm. H. Goll  
Hartley Howard, Jr.  
Wm. L. Jacoby  
J. Elmer Jones  
H. W. Kern  
Herman E. Kiefer  
S. W. Labrot  
W. J. Lloyd  
E. J. Millar  
Ramon E. Ozias  
T. C. Rafferty  
John B. Sempie  
C. K. Shelby  
J. C. Shriver  
P. H. W. Smith  
Chas. O. Wood  
R. J. Yost

1893

C. Earle Belfield  
Carville D. Benson

H. R. Blicke  
J. S. Carman  
J. J. Edson, Jr.  
Harwood Frost  
Robt. F. Gadd  
Albert R. Gee  
G. A. Gessner  
Wm. S. Jones  
Schuyler B. Knox  
Frank S. Loeb  
H. D. McCaskey  
C. L. McKenzie  
Wm. P. Marr  
George H. Maurice  
C. J. O'Neill  
C. W. Parkhurst  
John G. Peck  
W. O. Polhemus  
Dr. Chas. Rea  
J. Howard Reber  
L. D. Rights  
E. M. Sawtelle  
O. W. Shelly  
N. W. Smith  
E. A. Soleliac  
George Stern  
W. R. Stinemetz  
Chas. A. Straw  
Jas. H. Westcott, Jr.

1894

George S. Baton  
I. I. Beinhower  
Henry Blun  
Thos. J. Bray  
R. B. Brown  
E. D. Buel  
James L. Burley  
Wm. C. Carnell  
Alden B. Diven  
Theodore G. Empie  
Frank Faust  
Luther L. Gadd  
E. A. Grissinger  
Wm. Hall  
Fletcher D. Hallock  
Robt. R. Harvey  
Wm. E. Holcombe  
J. E. Hughes  
\*G. W. Hunsicker  
(dead)  
Geo. C. Hutchinson  
W. K. Kavanaugh  
R. W. Knight  
Harry D. Leopold  
James E. Little  
Walter H. Miller  
J. L. Neufeld  
Godwin Ordway  
C. L. Orth  
Edward B. Passano  
Wm. Arthur Payne  
T. C. Roderick  
F. W. Roller  
C. B. Rutter  
Geo. E. Shepherd  
Walter C. Swartz  
F. G. Sykes  
Chas. H. Thompson  
C. P. Turner  
Jacob D. VonMaur  
C. W. Underwood  
E. O. Warner  
Aubrey Weymouth  
W. B. Wooden

1895

Chester T. Ayres  
Franklin Baker  
C. Kemble Baldwin  
R. J. Bartholomew  
Harry W. Beach  
Wm. M. Bending  
Wm. Bowie  
C. S. Bricker  
Jas. E. Brooks  
Eugene C. Brown  
Wm. H. Brown  
Jas. H. Budd  
C. Calvin Burgess  
J. T. Callaghan  
F. L. Castleman  
W. W. Coleman  
Wm. J. Collier

Herbert M. Crawford  
Henry DeHuff  
Eckford C. DeKay  
James C. Dick  
Lewis S. Duling  
Howard Eckfeldt  
A. W. A. Eden  
Guy H. Farman  
E. C. Ferriday  
Walter Ferris  
E. G. Godshalk  
John E. Gomery  
Thos. G. Hamilton  
I. M. Higbee  
Edgar A. Houston  
Elmer A. Jacoby  
W. A. James  
E. B. John  
Warren B. Keim  
Louis E. Lannan  
R. P. Lentz  
A. H. Lewis  
S. V. R. Lippitt  
T. P. Lovering  
B. M. McDonald  
C. F. Matteson  
C. F. Maurice  
J. S. Miller  
Arthur E. Morgan  
Walter R. Okeson  
J. H. Philips  
J. Livingston Poult-  
ney  
Paul W. Powers  
Herbert T. Rights  
J. E. Shero  
John B. Slack  
Ed. G. Steinmetz  
John E. Stocker  
R. S. Taylor  
N. Thurlow  
C. F. Townsend  
William Warr  
H. C. Whitaker  
W. G. Whildin  
H. A. White  
E. B. Wigfall  
John M. Wilson

## 1896

\*W. J. Adams (dead)  
A. D. Ayres  
Wm. S. Ayars  
H. W. Baldwin  
L. W. Baldwin  
G. P. Bartholomew  
J. M. Beaumont  
Moriz Bernstein  
Daniel W. Bliem  
B. Franklin Bossert  
Howard F. Boyer  
E. E. Bratton  
George A. Buvinger  
R. B. Cable, Jr.  
S. P. Curtis  
Fred A. Daboll  
John Dalman  
Samuel M. Dessauer  
W. C. Dickerman  
George A. Dornin  
F. O. DuFour  
G. R. Enscoe  
C. V. Ferriday  
M. M. Greenwood  
H. N. Herr  
Jas. M. Jackson  
Wm. S. Jackson  
R. E. Laramy  
J. George Lehman  
Wheeler Lord  
John McBride  
C. S. MacCalla  
Franklin Oberly  
Louis A. Olney  
Barry Mohun  
Chas. H. Morgan  
John H. Myers  
J. G. Petriken  
Morris W. Pool  
Homer A. Reid  
George H. Ruggles  
Henry F. Russell  
C. C. Rutter  
Joseph H. Siegel

John T. Simpson  
Henry Shriver, Jr.  
J. I. Siegfried  
A. B. Strickler  
C. W. Thorn  
E. C. Thurston  
J. W. Thurston  
Curtis E. Trafton  
H. C. Tripp  
J. Roberts Wilson

## 1897

Francis D. Ammen  
L. H. Baldwin  
C. M. Barton  
John Boyt  
W. B. Brady  
G. H. Chasmer  
S. W. Chiles  
Thos. H. Claggett  
Louis Diven  
C. G. Dunnells  
John A. Fisher  
R. S. Griswold  
H. E. Hale  
E. R. Hannum  
W. S. Hiestler  
Ross N. Hood  
Henry T. Irwin  
Major H. S. Johnson  
Duncan Kennedy  
Edward S. Knisely  
Telford Lewis  
James F. McCabe, Jr.  
Thaddeus Merriman  
F. D. Mount  
Robt. C. Noerr  
C. M. Pflueger  
Auguste L. Saltzman  
S. P. Senior  
Arthur H. Serrell  
Jas. L. Sheppard, Jr.  
Ed. P. Shuman  
Francis Betts Smith  
John Stewart  
Paul B. Straub  
W. E. Underwood  
G. L. Yates

## 1898

Frank B. Bell  
Henry T. Borhek  
D. H. Childs  
H. M. Daggett  
C. M. Denise  
E. D. Edmondston  
Frank H. Gunsolus  
L. S. Hornor  
B. G. Kodjbanoff  
Lee H. Marshall  
George B. Mauser  
Howard C. Paddock  
Percy L. Reed  
Benjamin D. Riegel  
John O'Reilly  
D'Arcy W. Roper  
H. C. Schweske  
B. R. Smoot  
Martin S. Stockett  
Edward H. Waring  
Chas. E. Warren  
Howard J. Wiegner  
T. B. Wood  
Lawrence Wooden

## 1899

John M. Buckland  
C. F. Carman  
Bernard T. Converse  
Jos. K. Ellenbogen  
N. M. Emery  
Robert Farnham  
Eugene G. Grace  
J. W. Grace, Jr.  
Wm. Gummere  
P. G. Hilken  
George A. Horne  
R. R. Hornor  
G. R. Jackson  
Major Ed. A. Keys  
Arthur Klein  
J. H. Klinck  
O. G. MacKnight  
C. P. Matheson

J. F. Middledith  
John R. Pettit  
L. T. Rainey  
P. L. Reed  
A. A. Shimer  
Wm. H. Speirs  
W. F. Ulrich  
J. S. Viehe  
Theodore Visscher  
F. C. Wettlauffer  
H. A. Wilcox  
G. H. Wood

## 1900

Andrew T. Brice  
Morrow M. Chamber-  
lain  
R. M. Cortright  
George C. Coutant  
Alan C. Dodson  
T. M. Dodson  
G. H. Dortch  
Nimson Eckert  
John Fuller  
F. A. Groff  
Chas. F. Gross  
J. G. Heinz  
A. D. Hollingsworth  
C. P. Kennedy  
Herbert S. Lewis  
W. T. McCarthy  
Harry T. Ochs  
Armando Sanchez  
H. H. Scovil  
W. P. Starkey  
Joseph A. Steinmetz  
Wm. T. White

## 1901

Timothy Burns  
J. H. Chickering  
Yen Te Ching  
Francis Donaldson  
Wm. A. Ehlers  
Chas. Enzian  
Cadwallader Evans,  
Jr.  
A. Pinheiro Filho  
J. H. Flory  
F. B. Gearhart  
Thos. M. Girdler  
W. W. Graff  
Percy L. Grubb  
Samuel T. Harleman  
W. T. James  
G. M. Kennedy  
Farley Kimball  
S. T. Laubach  
A. R. Laubenstein  
O. F. Luckenbach  
Chas. J. McGonigle  
L. D. Menough  
E. T. Murphy  
John J. Nolan  
John W. Shaeffer  
H. D. Wilson

## 1902

A. G. Bachman  
Wm. F. Bade  
R. M. Bird  
A. G. Bohannon  
L. DeS. Dibert  
W. B. Geiser  
Wm. R. Hall  
J. S. Hegeman  
Wm. L. Heim  
D. F. Hewett  
Robt. Jarecki  
A. L. Lindley  
F. F. Lines  
M. J. Luch  
Floyd W. Parsons  
W. F. Roberts  
D. M. Sachs  
John J. Shonk  
Aiken Simons  
Richard F. Taylor  
Hopkin Thomas  
J. Brooks Wright

## 1903

Ernest A. Andrews  
Geo. C. Beck

Thos. L. Cannon  
C. F. Carrier, Jr.  
George F. Cassidy  
H. S. Chamberlain  
J. J. Cort  
R. S. Cunningham  
Chauncy S. Curtis  
A. J. Diefenderfer  
H. W. Eisenhart  
S. P. Felix  
S. R. Fraim  
John A. Frick  
A. S. Gilmore  
L. T. Girdler  
A. R. Glancy  
C. B. Graham  
N. H. Heck  
John W. Hertzler  
Raymond Hunt  
C. I. Lattig  
C. G. Lord  
Wm. H. Myers  
Chas. E. Marks  
E. S. Miller  
E. R. Morgan  
Arthur Peck  
George L. Phillips  
P. P. Reese  
John R. Reigert  
Geo. L. Robinson  
J. D. Rogers  
F. R. Schmid  
R. N. Skillman  
Dyer Smith  
Thos. K. Smith  
E. W. Sprague  
Frank L. Sweeney  
Henry R. Trumbower  
H. G. VanderVeer  
B. B. VanSickle  
M. A. Walker  
H. R. Walters  
N. A. Wolcott  
A. W. Wright  
Chas. H. Young

## 1904

George Bailly  
J. L. Beaver  
Luther Becker  
Lester Bernstein  
Clinton J. Bloss  
H. G. Bonner  
A. G. Borowsky  
J. H. Brillhart  
Ed. C. Brown  
Carleton W. Buell  
H. F. Campbell  
S. L. Caum  
Amos H. Clauder  
Herman Coleman  
A. Lardner Dornin  
B. G. Dow  
T. J. S. Edelen  
J. J. Grabbe  
Chas. L. Greene  
O. J. Haller  
H. J. Hartzog  
C. S. Heritage  
R. L. Herrick  
R. P. Hutchinson  
R. G. Johnson  
B. M. Kent  
Wm. M. Lalor  
Chas. W. Luaders  
L. G. McCauley  
John M. Monie  
T. Archer Morgan  
Leigh W. Morris  
W. U. Mussina  
Donald J. Packer  
J. Austin Page  
Wm. C. Pollitt  
J. H. Powell  
H. P. Reno  
S. S. Seyfert  
S. S. Shive  
Francis P. Sinn  
Ralph L. Talley  
Jesse W. Underwood  
Arthur J. Weston  
Robt. E. Wilbur

1905

Wm. A. Bachman  
A. C. Bennett  
Jas. F. Bennett  
John D. Berg  
J. R. D. Bray  
Walter E. Brown  
Walter S. Buck  
Chas. E. Buckalew  
George Buerman  
Niles Chapman  
Herbert A. Church  
Paul Cloke  
S. E. Coleman  
John A. Dent  
W. L. Estes, Jr.  
John M. Fouse  
Nevin E. Funk  
J. N. Gawthrop, Jr.  
Wm. C. Hill  
Ed. L. Holljes  
E. B. Hostetter  
A. G. Isaacs  
M. D. Jones  
Ray C. Kautz  
R. G. Kirk  
W. C. Kline  
W. H. Kuryla  
J. F. Leonard  
W. H. Lesser  
Robt. H. Lyon  
J. A. Mease  
Norman Merriman  
Thos. B. Mickley  
C. R. Pulford  
H. S. Rogers  
John P. Sanner  
Alan de Schweinitz  
Wm. R. Schnable  
H. S. Seipt  
D. H. Smyser  
H. S. Walker  
A. Judson Warlow  
C. B. White  
Albert J. Willis  
James H. Wolfe

1906

Ed. S. Adams  
G. Blockslide  
D. H. Brillhart  
A. L. Broomall  
H. M. Burkey  
M. Hazen Chase  
Douglass M. Clawson  
Stewart J. Cort  
H. C. Dent  
John C. Distler  
Robt. S. Drummmond  
R. S. Edmondson  
H. F. Eigenbrodt  
Martus M. Farley  
Thos. G. Fear  
A. C. Flory  
T. Leslie Gossling  
E. T. Gott  
Wm. H. Brady  
J. H. C. Gregg  
Julius R. Hall  
E. P. Hayes  
John R. James  
Philip A. Kober  
Chester J. Langdon  
Harry R. Lee  
J. F. Lessig  
Thos. H. Lueders  
R. S. McMullen  
G. P. McNiff  
Paul D. March  
Dan A. Maurer  
I. H. Moore, 2nd  
F. R. Pyne  
R. B. Rench  
H. E. Rockwell  
B. T. Root  
J. W. Stair  
C. S. Stouffer  
N. Guy Smith  
Judson G. Smull  
M. E. Spear  
E. M. Taussig  
J. Talbot Todd  
Chas. H. Tompkins

W. B. Topping  
Wm. S. Watson  
Lee P. Wray

1907

W. D. Aiken  
Ralph S. Archibald  
Chas. L. Bachman  
George M. Baker  
H. L. Baldwin  
Andrew T. Balston  
R. A. Bayard  
R. G. Brindle  
deCoursey Browne  
W. R. Bunting  
J. B. Carlock  
Edgar K. Collison  
F. W. Conlin  
C. M. Daniels  
Wm. L. DeBaufre  
Samuel E. Doak  
Chas. Dorrance  
W. A. Draper  
C. L. Eastman  
F. G. Fear  
Ed. S. Foster  
J. H. Galliher  
Ralph J. Gilmore  
Theo. N. Gill  
Leroy T. Grace  
H. J. Groeninger  
C. A. Gross  
A. B. Grubmeyer  
John Faber Hanst  
F. E. Hayes, Jr.  
G. K. Herzog  
A. W. Hesse  
F. R. Horne  
Wm. Hunter  
E. F. Johnson  
G. G. Kiefer  
F. U. Kennedy  
G. E. Kent  
Ralph W. Kinsey  
Albert E. Krause  
Frank P. Laufer  
A. W. Lawson  
Chas. H. Leaman  
C. E. Lilliestrand  
Chas. M. Loucks  
H. A. McIntosh  
E. M. McNally  
Paul Mackall  
Robt. MacMinn  
Philip O. MacQueen  
A. J. Mayer  
R. A. Mercur, Jr.  
Wm. R. Meyers  
E. D. Moore  
E. L. Pattison  
J. I. Porter  
R. S. Porter  
W. A. Quadenfield  
Andrew C. Ramsey  
J. R. Scarlett  
Martin H. Schmid  
Edgar Schweitzer  
Elmer F. Shaffer  
S. D. Shimer  
W. R. Shimer  
Coe L. Smith  
Shaler G. Smith  
H. E. Steele  
Bruce M. Swope  
A. S. Taylor  
Lewis Thomas  
W. A. Thomas  
M. H. Ullmann  
T. M. Uptegraft  
J. C. Utley  
Raymond Walters  
Ernest B. Walton  
Ira B. Wheeler  
C. H. Wilcox  
L. E. Yingst

1908

Archibald L. Altemus  
H. F. Bachman  
R. D. Bell  
Calder B. Bressler  
George R. Brothers  
H. W. Caldwell  
Frank Cannon

John H. Clewell, Jr.  
F. A. Collins, Jr.  
Grant Curry  
Bruce S. Davies  
Francis J. Deemer  
C. H. Dorsey  
Wm. C. Duncan  
Haldeman Finnie  
P. N. Fridy  
A. O. Fulton  
F. A. Fusselman  
J. W. Ganser  
Walter D. Geiler  
J. L. Gressitt  
Lewis Heck  
J. H. Hills  
H. J. Jackson  
Thomas King  
S. B. Koch  
Jos. J. Komara  
Arthur B. Lakey  
George M. Longaker  
Wm. T. Lytle  
W. E. McCann  
B. L. Madden  
John G. Mathers  
John G. Miller  
Roy P. Miles  
Cajetan Morsack  
Theodore Nagel  
W. J. Priestley  
J. M. Raine  
E. E. Reinke  
G. Richards Roberts  
E. E. Ross  
Ernesto Sanchez  
Ned M. Sayford  
Thos. H. Sheridan  
George Smartt  
Thos. A. Snyder  
C. C. Thomas  
Frank E. Troutman  
Albion N. VanVleck  
L. A. Walker  
Edwin L. Willson  
Stanley A. Zweibel

1909

F. T. Agthe  
Wm. L. Archer  
Jas. T. Aubrey  
W. Poster Banks  
Jas. S. Bayless  
A. P. S. Bellis  
A. C. Callen  
J. A. Clarke, Jr.  
R. C. Cliver  
Thos. Coyle  
W. A. Drisler  
Milton Goedecke  
H. D. Gruber  
H. G. Harvey  
Percy W. Havenstein  
Sidney L. Hechinger  
R. Nelson Jaggard  
H. H. Ketcham  
H. O. Kent  
Frank H. Kingdon  
Robert L. Klar  
Henry E. Maddock  
E. D. Mill  
Carl W. Mitman  
D. M. Petty  
Ira D. Schneller  
Ray B. Serfass  
C. U. Shank  
Garrett D. Speirs  
Earl Maxwell Spry  
John B. Stobaues  
W. C. Stobaues  
Jesse C. Stoddard  
Lloyd C. Taylor  
R. Hamilton Torrey  
Francis L. Toy  
C. J. Umble  
W. R. Walters  
Ralph H. Warren  
J. M. Wharton  
Elmer F. Williamson  
Luther C. Zollinger  
J. Franklin Zouck

1910

G. F. R. Bahnson  
J. H. Baughman  
Carl Bechoefer  
T. O. Beitzel  
C. E. Bilheimer  
G. Herbert Bingham  
G. W. Boteler  
C. W. Bretland  
Maynard C. Burrell  
Lester R. Carrier  
Geo. E. Carver  
S. W. Croll  
Robt. H. Davis  
W. T. Dodson  
Edward W. Ehmann  
J. L. Farrar  
George M. Force  
Chas. A. Foust  
Homer C. Gerwig  
L. P. Gilmore  
J. C. Gorman  
J. R. Hall  
Frederick W. Halterman  
Carl G. Harwig  
J. E. Houck  
\*Frank N. Hunt  
(dead)  
Wilbur C. Jackson  
M. L. Jacobs  
F. W. Jacoby  
J. F. Jahne  
Paul K. Johnson  
F. R. Kemmer  
Caleb S. Kenney  
R. D. Koplin  
Wm. F. Lantz  
F. P. Laurence  
I. L. Lay  
L. A. LeVan  
William Lewis  
E. W. McCabe  
W. J. McCormick  
Samuel May  
W. G. Moore  
Robt. P. More  
John L. Mosher  
George Murnane  
Alfred S. Osbourne  
F. C. Peters  
James H. Pierce  
Chester H. Rhodes  
H. M. Riley  
Wm. N. Rorer  
J. S. Rowan  
C. N. Shaffner  
Spencer Shaffer  
Ed. B. Shimer  
H. P. Smith  
Jas. H. Smith, Jr.  
Walter E. Smith  
N. E. Smithers  
Wm. E. Sturges, Jr.  
Richard H. Street  
R. B. Swope  
Dorsey Thompson  
J. M. Toohy  
G. P. Troutman  
G. R. Waltz  
David G. Williams  
Roy N. Williams  
Warren C. VanBlar-com

1911

C. S. Albright  
John L. Becker  
H. D. Bleiler  
J. D. Carey  
Walter C. Carson  
Russell S. Collins  
Jos. R. Dawson  
John H. Dillon  
W. E. Fairhurst  
Robt. L. Fatzinger  
D. M. Flick  
Fred E. Galbraith  
Donald Gibson  
P. M. Ginder  
George E. Goepfert  
John H. Graybill  
John Griffen

Jos. W. Harne  
W. S. Hermann  
Albert K. Hohl  
S. K. Huang  
A. Ellis Hunt  
D. H. Hunter  
R. F. Jacoby  
J. Miles Kalbach  
R. O. Keiser  
Ralph W. Kempsmith  
H. D. Kerr  
L. C. Kwong  
Walter L. Merkel  
C. C. Messinger  
Harry L. Miller  
W. H. Mohr  
E. L. Morgan  
Elmer Peloubet  
Harold E. Ramsey  
F. E. Rasmers  
Henry Reimers  
G. H. Reussner  
Gerald S. Rinehart  
Walter G. Schall  
Othello H. Schroedel  
A. R. Shaw  
P. R. Snyder  
John Sosnowski  
H. G. Spillsbury  
Jacob Stair, Jr.  
A. J. Standing  
J. H. Throm  
R. V. Whitman  
Leon Wittgenstein  
George R. Wood  
Robert F. Wood  
F. W. Young

## 1912

Chas. C. Ailes  
Ralph L. Aman  
E. H. Austin  
James Bailey  
R. P. Baird  
Harry M. Benamin  
A. G. Birdsall  
E. J. Burnell  
E. S. Colling  
Eber W. Cook  
F. W. Davis  
H. Y. Eagle  
V. B. Edwards  
C. J. Flayhart  
James Gore, Jr.  
S. R. Hanger  
John F. Herr  
Wm. M. Johnson  
P. A. Lambert, Jr.  
C. K. MacPetridge  
W. J. Maguire  
E. F. Meschter  
Harry Lerch Miller  
J. W. Milnor  
Walter J. Nevius  
W. L. Newman  
H. H. Otto  
John S. Pfeil  
Ira A. St. John  
W. R. Seyfried  
A. C. Shand, Jr.  
George J. Shurts  
George N. Sieger  
Harold M. Smyth  
A. P. Spooner  
Morton Sultzer  
E. W. Walters  
E. A. Wheaton  
C. E. Whyte  
H. J. Williams  
Ralph B. Williams  
Donald E. Wood  
Elmer E. Yake  
F. W. Youry

## 1913

Jesse F. Beers  
Alvin B. Bland  
Ezra Bowen  
E. Frank Boyer  
Robt. F. Campbell  
Laurence E. Carpen-  
ter  
Thos. B. Coleman  
A. K. Cosgrove

George Davies  
Robt. T. Dyan  
A. F. Eberly, Jr.  
C. L. T. Edwards  
Daniel K. Evans  
Roy J. Fahl  
C. A. Fellencer  
Francis J. Gerhard  
Jos. K. Goundie  
Henry R. Griffen  
Andrew D. Jamieson  
H. E. Johnson  
S. Raymond Kuech  
Robt. Latham  
J. Watts Mercur, Jr.  
C. W. Miller  
James F. More  
W. F. Perkins  
Richard Peale  
E. F. Price  
Edmund Quincy  
Thos. J. Quinn  
C. B. Rafter  
P. B. Reinhold  
Guy A. Rupp  
Wm. Seguin, Jr.  
B. S. Shafer  
Y. R. Sun  
W. F. Tapking  
C. P. Thweatt  
H. W. Tice  
R. C. Watson  
Earle F. Weaver  
Sidney D. Williams  
L. P. Wragg  
Cho Yang

## 1914

Lewis C. Babcock  
F. W. Binzen  
Ira J. Bleiler  
W. R. Browne  
S. W. Burns  
G. M. Cameron  
P. R. Charnock  
John P. Dobbins  
John W. Donaldson  
Frank E. Driscoll  
Stephen Elliot  
John P. Faherty  
G. P. Flick  
George Forster  
Robert R. Galloway  
J. S. Gemmel  
Richard Gifford  
Robert A. Gift  
James T. Horn  
Rev. F. P. Houghton  
Verne H. Jackson  
Wm. H. Kaufman  
Dennis Kavanaugh,  
Jr.  
F. V. Larkin  
Chas. E. Lawall, Jr.  
Verner T. Lawshe  
Arthur B. Leonard  
John Orth Liebig  
George P. Nachman  
George F. Nordenholt  
J. L. Orr  
C. L. Packard  
J. B. Parks  
Walter F. Quast  
Joseph J. Scatko  
Walter A. Schrempel  
Thos. G. Shaffer  
Wm. B. Todd  
Lewis F. Turnbull  
A. T. Ward  
J. Robert Wiss  
George F. Wolfe  
T. S. Yeh

## 1915

Walter P. Berg  
Chas. W. Borman  
C. L. Butler  
D. R. Cahill  
L. Y. Chow  
H. D. Cranmer  
Harry A. Crichton  
Phillip G. DeHuff  
Walter C. Dickey  
Harry J. Dilcher

Alexander S. Diven,  
3rd  
E. C. Higgins, Jr.  
George W. Hoban  
\*Lloyd Hoffman  
(dead)  
E. P. Humphrey  
Henry D. Jay  
Wm. H. Kelchner  
Albert S. Kinselmann  
Erwin S. Kutz  
C. J. Lentz  
Samuel Lewis  
Wm. C. Mayer  
C. E. Merkel  
Jay C. Miller  
O. E. Mills  
S. T. Mitman  
Wm. S. More  
W. B. Neide  
John E. Nicholas  
Percy L. Norton  
Vincent J. Pazetti  
E. H. Reisler  
A. H. Schuyler  
H. M. Search  
Chas. M. Shriver.  
C. E. Siebecker  
Wm. A. Stickel  
H. H. Stuart  
Perry M. Teeple  
M. Graham Tull  
H. L. Vitzthum  
A. J. Wiegand  
W. H. Willis, Jr.  
C. Wong  
Richard F. Wood

## 1916

Paul Ancona  
Chas. I. Anderson  
Marlin O. Andrews  
A. H. Albert  
John R. Baush  
John M. Bausman  
Chas. E. Blasius  
George J. Buchner  
Wm. C. Cahall, Jr.  
Henry S. Carlson  
Oscar L. Carlson  
James H. Chandler  
Edward J. Clark  
E. J. Clement  
Arthur Cranston  
Paul R. Ehrgott  
Harold I. Fair  
Paul J. Ganey  
George H. Goll  
Louis E. Grumbach  
Wm. C. Hartman  
Stanley Heisler  
Robert H. Hicks  
John B. Hill  
F. Laurent Horine  
S. S. Hsu  
J. A. Hunter  
Guy R. Johnson  
E. S. Johnston  
Bruce M. Jones  
H. E. Kantner  
Jas. E. Keady  
H. D. Keiser  
R. B. Kirby  
H. B. Knox, Jr.  
Capt. M. W. Kresge  
B. F. Kring  
R. A. Laedlein  
Thos. S. Loeser  
Herbert Leslie  
L. J. Luckenbach  
Louis Mardaga  
Joseph A. Meredith  
Louis G. Mudge  
Chas. E. Paules  
Hiram E. Perkins  
Edward Perry  
Ward T. Perry  
Fred D. Powers  
R. D. Quin  
John B. Rapp  
Jacob H. Reitzel  
Nelson M. Royall  
H. L. Rust, Jr.  
H. E. Sanford

George Sawtelle  
Elmer F. Schmoll  
S. B. Scruggs  
D. S. Sexton  
F. W. Shay  
Robt. W. Sheckells  
George A. Smith  
John A. Snyder  
Laury G. Stem  
F. L. Stephenson  
Paul W. Sutro  
L. N. Sutton  
A. Russell Taylor  
Wm. H. Thornton  
Gerald Thorp  
Walter Volkhart  
Donald T. Wynne  
John M. Wells

## 1917

Frank O. Anderson  
John Ayrault, Jr.  
Adolph Bach, Jr.  
Fred N. Becker  
Gordon K. Bishop  
W. A. Borneman  
H. R. Boston  
A. K. Brown  
John Arthur Carl-  
son  
Wayne H. Carter  
Chas. W. Christensen  
John F. Clark  
Richard L. Colby  
Laurence E. Collins  
A. F. Connell  
L. R. Conard  
Robert G. Cook  
K. S. Crichton  
Kenneth S. Cullum  
Granville Y. Custer  
Harry C. Dayton  
B. S. Derr  
Victor H. Doushness  
Philip Drinker  
Alan E. Dyan  
John H. Eckels  
L. D. Edson  
J. A. Fisher  
Thos. W. Gangloff  
C. L. Garrett  
W. W. Gilmore  
R. C. Good  
J. S. Goodman  
L. P. Grossart  
\*Wm. M. Hartman  
(dead)  
L. F. Hagglund  
Wm. C. Herman  
H. O. Hogan  
Bernard H. Jacobson  
Walter J. Judson  
Austin C. Kammerer  
George C. Kehrler  
George Kinter  
D. H. Kirkpatrick  
Percy H. Kittle  
Albert F. Knoss  
A. H. Langenheim  
Harold D. Lehr  
George E. Lee, Jr.  
G. Milton Levy  
Dr. Edward Lewis  
T. I. Linn  
H. E. McDowell  
George McKinley  
Donald MacIsaac  
Frank L. Magee  
H. F. Meschter  
M. E. Messinger  
R. M. Nichols  
L. G. O'Brien  
Stephen H. Palmer,  
Jr.  
Vernon B. Pike  
F. E. Portz  
H. S. Price, Jr.  
Thomas G. Ralph  
Earl S. Rau  
Walter A. Reinhard  
N. R. Reynolds  
Owen R. Rice  
W. A. Richards  
E. M. Robinson



Ira G. Ross  
John B. Schwoyer  
Elmon B. See  
Carroll T. Sinclair  
H. J. Spuhler, Jr.  
Robert A. Stott  
Harold F. Vogel  
A. VonMengerling-  
hausen  
H. P. Vreeland  
Jesse F. Wentz  
Paul E. Werner  
Christian Wilson, Jr.  
W. K. Wilson  
Wilfred H. Wolfs  
B. Wright  
G. M. Yocum  
W. H. S. Youry

# 1918

Richard C. Alden  
Elwood M. Allan  
Ernest Altoeff  
J. Paul Ambler  
W. G. Barthold  
Roscoe D. Bean  
F. J. Beckman  
John Beard  
B. Bennes  
J. A. Bishop  
Paul G. Breinig  
Robert H. Brinton  
A. E. Buchanan  
Jose M. Carbonell  
Joseph F. Carlz  
Robert L. Creer  
James L. Dodson  
Weston Dodson  
John J. Early  
Allen J. Ely

L. C. Fenstermacher  
L. A. Fritchman  
Ralph Hartzell  
Vernon Hoffman  
J. W. Hogg  
J. A. Holmes  
F. W. Hukill  
James Y. Humphrey  
J. S. Jacobs  
James B. Jacob  
Lloyd G. Jenkins  
Ed. K. Ketcham  
Edgar L. Klotz  
John McC. Latimer  
L. R. Lewis  
C. O. Lind  
Russell H. Lindsay  
C. C. Lu  
J. D. McCarthy  
John McConnell  
A. G. Mayers  
Maynard Mizel  
Homer I. Moll  
John C. Moench  
Ed. A. Mooers  
Rembrandt Peale, Jr.  
Walter R. Penman  
A. B. Raizer  
Henry N. Roest  
H. D. Root  
L. H. Schnerr  
Wray E. Sexton  
Carl J. Shaffer  
Henry Shepherd  
Walter O. Snyder  
William P. Spear  
R. W. Staats  
Ray M. Stettler  
J. H. Swanger  
A. C. Terwilliger  
R. P. Thomas

Wm. E. Tizard  
Stratton Vance  
John M. Weikel  
John R. Whitney  
Robert Wolcott  
C. C. Woo

# 1919

Walter P. Amick  
Hempstead S. Bull  
A. W. DeVout  
G. E. Doan  
Alfred E. Forstall  
J. W. Gardiner, Jr.  
Ivan P. Gerber  
Chas. G. Gilman  
H. D. Ginder  
J. F. Hardy  
H. S. Hiller  
Herbert S. Kirk  
Wm. Krohn  
B. P. Lauder  
Morris Lawrence  
Richard H. Lee  
R. W. Ludlow  
F. D. Nawrath  
Chas. M. Simmons  
O. H. Spillman  
J. M. Stevens  
C. H. Tomkinson  
S. W. Traylor, Jr.  
W. R. Warner  
Wm. Whigham, Jr.  
Bradford Willard  
W. R. Wooley  
T. C. Zeller

# 1920

Thos. R. Boggs  
M. J. Brooks

Rush Clarke  
Merrit F. Judd  
Edward Raabe  
Earl Stroman

# 1921

Raymond A. Childs  
M. M. Esterson  
Samuel L. Flom  
E. M. Griswold, Jr.  
R. C. Hicks, Jr.  
M. C. Schrader

# 1922

Henry C. Faxon  
R. D. Hughes  
C. L. Knoderer  
Ralph W. Lee, Jr.  
J. D. McPherson  
Clarence P. Salmon  
Wallace Schier  
H. B. Smith  
Earl Stimson, Jr.  
T. V. Viloti  
G. O. Wilhelm

# 1923

R. W. Barrell, Jr.  
C. O. Burgess  
J. E. Erb  
H. F. Fehr  
George L. Frick  
E. H. Hewson  
G. S. Koch  
C. L. Mason, Jr.  
Wm. G. Nowell  
Lewis H. Van Bill-  
iard

## IS YOUR NAME ON THIS LIST?

Picture yourself for a moment twenty years from now standing in Lehigh's Memorial Building and looking at the names of your classmates whose contributions made this beautiful gift to our college, this loving tribute to our heroic dead, possible. How will you feel if your name is absent from that list?

If you do not find your name among the 1600 listed above it is either the Editor's fault or yours. If it's the Editor's write him a letter and blow him up. If it's yours go into a five minute secret session with yourself and find out what kind of a salesman you are. If you can't sell Lehigh to yourself in five minutes don't ever let them shift you into the selling end of the business. *You're no salesman!*

# Alumni Day, Saturday, June 12,

## COMMENCEMENT PROGRAM

Friday, June 11. 7:00 P.M.—Alumni Dinner, Kurtz Restaurant.

Saturday, June 12. 11:00 A.M.—Alumni Annual Meeting, in Drown Memorial Hall.

1:00 P.M.—Alumni Luncheon.

2:30 P.M.—Alumni P-RADE.

3:30 P.M.—Baseball: Lehigh vs. Hopkins.

7:00 P.M.—Reunion Banquets.

9:00 P.M.—President's Reception.

Sunday, June 13. 11:00 A.M.—Baccalaureate Sermon.

Monday, June 14. 2:00 P.M.—Class Day Exercises.

9:00 P.M.—Junior Prom.

Tuesday, June 15. 10:30 A.M.—Commencement Exercises.



THE REUNION CUP

## Reunion Classes

1870  
1875  
1880  
1885  
1890  
1895  
1900  
1905  
1910  
1915  
1919

The above classes are eligible for competition for this cup, now held by the Class of '89.

The class with the largest percentage of members present at noon on Alumni Day will be the winner.

*What is your Reunion Committee doing?*

to Dr. Price, '70, Friday, June 11

### THREE "LONG LEHIGHS" FOR DR. PRICE

Everybody out for the big dinner in honor of the Fiftieth Anniversary of the graduation of the President of our Board of Trustees.

The Class of '70 will of course be there, and we want official representatives from every other class. If possible the President and Secretary of the Class, and the Chairmen of the Reunion and Memorial Committees. There are important matters to be discussed and voted on, and each class will have one vote.

Everybody invited. Come and get the secret of the Doctor's "pep" and loyalty.

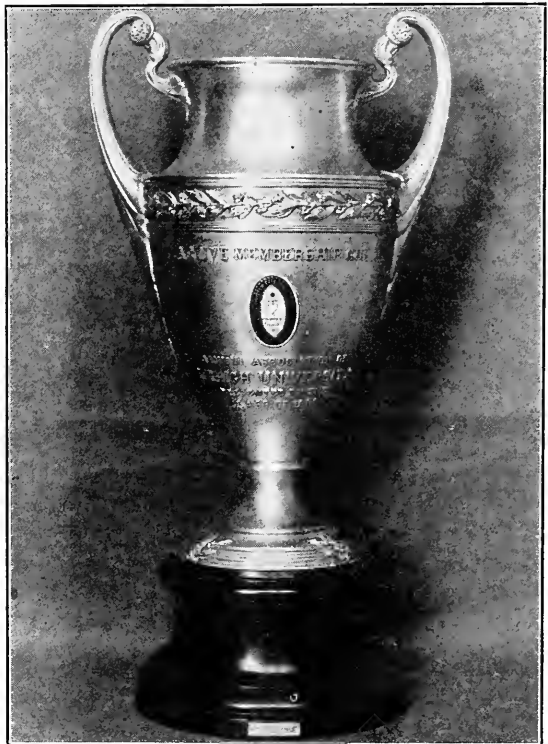
(Don't anybody breathe a word to him. It's a surprise.)

### Active Membership

Perhaps you can't come to the Reunion but you can help your class win this cup by paying your dues. Every class is eligible except the Class of '83, the present holder of the cup.

No class should be satisfied until its name is on this cup.

It will be won this year by the class having the largest proportion of members who have paid this year's dues. Last year 1918 and 1917 were close behind the winners. Are you going to let the "Kids" beat you out this year?



THE ACTIVE MEMBERSHIP CUP

## OFFICIAL DIRECTORY ALUMNI ASSOCIATION LEHIGH UNIVERSITY, Inc.

President: Charles D. Marshall, Oliver Bldg., Pittsburgh, Pa.  
 Vice-President: Aubrey Weymouth, 101 Park Avenue, New York, N. Y.  
 Vice-President: William W. Coleman, 323 Juneau Avenue, Milwaukee, Wis.  
 Treasurer: A. C. Dodson, care of Weston Dodson Co., Inc., Bethlehem, Pa.  
 Secretary: Walter R. Okeson, Drown Memorial Hall, Bethlehem, Pa.  
 Archivist: Preston A. Lambert, 215 South Centre Street, Bethlehem, Pa.

## Honorary Alumni Trustees

Robert S. Perry, 31 Union Square West, New York, N. Y.  
 Franklin Baker, Jr., N.E. Corner 13th and Market Streets, Philadelphia, Pa.  
 Henry H. Scovil, Universal Steel Co., Bridgeville, Pa.  
 Homer D. Williams, Carnegie Bldg., Pittsburgh, Pa.

## Alumni Members Athletic Committee

Eugene G. Grace, '99.  
 T. Burns, '01.  
 George C. Beck, '03.  
 Walter R. Okeson, '96, Treasurer.

## Endowment Fund Committee

Ralph M. Dravo, '89, Chairman.  
 A. E. Forstall, '83.  
 H. S. Miner, '88.  
 Taylor Allderdice, '83, (Hon.) '17.  
 Walter R. Okeson, '96, Secretary.

## Bulletin Publication Committee

(See Page 1.)

## Alumni Day Committee

Walton Forstall, '91, Chairman.  
 George C. Beck, '03.  
 Robert M. Bird, '02.  
 Samuel M. Dessauer, '96.  
 Walter R. Okeson, '96, Secretary.

## Reunion Classes 1920

## — Classes of —

1870	1895
1875	1900
1880	1905
1885	1910
1890	1915
	1919

At a meeting of the Board of Directors held on January 16, it was decided to abandon the Dix Plan of Reunions and return to the old system of 5 year reunions.

## Secretaries Local Alumni Clubs

Chicago Lehigh Club, H. W. Kern, '92, Secretary, 179 West Washington Street, Chicago, Ill.  
 Detroit Lehigh Club, F. U. Kennedy, '07, Secretary, care McClintic-Marshall Co., Detroit, Mich.  
 Intermountain Lehigh Club, H. L. Baldwin, '07, Secretary, Box 115, University of Utah, Salt Lake City, Utah.

Lehigh Club of Central Pennsylvania, W. B. Keim, '95, President, Camp Hill, Pa. (H. J. Dilcher, Secretary, now in Cleveland.)

Lehigh Club of China, Yen Te Ching, '01, President, Wuchang, China.

Lehigh Club of Cuba, E. Beato, '08, Secretary, 76 Paseo de Marti, Havana, Cuba.

Lehigh Club of New England, D. K. Dean, '06, Secretary, Allberger Pump and Condenser Co., 88 Broad St., Boston, Mass.

Lehigh Club of Northern New York, C. L. Moffatt, '04, Secretary, 218 Glenwood Boulevard, Schenectady, N. Y.

Lehigh Club of Northern Ohio, P. L. Cobb, '92, Secretary, 1566 Mistletoe Drive, Cleveland, Ohio.

Lehigh Club of Southern New England, J. W. Thurston, '96, Secretary, 284 Asylum St., Hartford, Conn.

Lehigh Club of Western New York, T. M. Uptegraff, '10, Secretary, Defiance Paper Co., Niagara Falls, N. Y.

Lehigh Home Club, R. T. Bird, '02, Secretary, Bethlehem, Pa.

Maryland Lehigh Club, F. E. Rasmers, '11, Secretary, 3201 Presbury St., Baltimore, Md.

New York Lehigh Club, Jacob Stair, Jr., '11, Secretary, P. R. R., Pennsylvania Station, New York City.

Northeast Pennsylvania Lehigh Club, P. S. Warriner, '10, Secretary, 161 N. Franklin St., Wilkes-Barre, Pa.

Philadelphia Lehigh Club, Moriz Bernstein, '96, Secretary, 2130 Estaugh Street, Philadelphia, Pa.

Pittsburgh Lehigh Club, George M. Baker, '07, Secretary, General Electric Co., Oliver Bldg., Pittsburgh, Pa.

Southern Anthracite Lehigh Club, A. W. Wright, '03, Secretary, Eastern Steel Co., Pottsville, Pa.

Washington Lehigh Club, H. J. Jackson, '08, Secretary, 514 Union Trust Bldg., Washington, D. C.

Southwestern Lehigh Club, F. P. Lawrence, '10, Secretary, care of Southwestern Telephone and Telegraph Co., St. Louis, Mo.

## EDITOR'S PAGE

### Important Announcement of New Policy

The June number of the BULLETIN will be the last appearance of this magazine as a quarterly. Beginning in the fall it will be published monthly during the collegiate year. This seems like an ambitious undertaking for a college with such a small alumni body but our alumni have shown themselves to be ambitious and not to be satisfied with anything but the best for themselves or for their college. The monthly publication of the BULLETIN will enable them to keep in close touch with college and alumni affairs, will make it possible for the Alumni Employment Bureau to function properly, will give news while it is fresh, thus making it twice as valuable, and will permit of a wider range of subject matter and a fuller notation of individual alumni activities.

Of course we have wanted to do this for some time but were stopped by two things,—lack of time and lack of funds. But with the war over and the war records of the alumni in fairly good shape, with the success of the Memorial Campaign assured, and with our Active Membership promising to reach 2500 this year (it was 633 in 1917), the Secretary will have more time to devote to our alumni magazine. As to money we have less of that than ever, for the increased cost of everything, plus the expansion in our work, has eliminated any possibility of a surplus to be devoted to the BULLETIN. But every other alumni publication of any pretension in the country is not only self-supporting but by its profits aids in supporting the work of the Alumni Association. We have had the only paper that is sent free to every alumnus. All the others limit their circulation to actual subscribers, and that is what we must come to also.

Beginning with the next collegiate year the subscription price of the BULLETIN will be \$2.00 per year, and it will be mailed monthly to all those who subscribe for it. This will at once mean

a great cutting down of expense. In postage, as we will be able to get a second-class mail rating, our charges will be one cent a pound instead of one cent for two ounces which we must pay under our present rating. The cost of paper will not be much more for nine issues a year than it now is for four issues, as our circulation will be reduced. The advertising revenue will be somewhat increased in spite of this smaller circulation. The cost of editing and of linotyping will, of course, be doubled but the subscription revenue will take care of that. Altogether, it looks like a very feasible plan.

We are counting on every active member of the Association being a subscriber and we also hope to secure some additional subscribers outside of the ranks of active members. As noted elsewhere, this plan of making the BULLETIN a paper to be subscribed for instead of spreading it broadcast without charge, was adopted in order to avoid raising the dues of the active members of the Association. We feel that our efforts deserve your support and we bespeak that support. With this issue you will find an addressed stamped post card. We ask you to sign the printed form on the back of this card which calls for a subscription and send it in at once. If print paper is not ordered long in advance there is no surety of getting it. New advertising rates must be formulated and new contracts drawn. The application for second-class postage rating must be made promptly if action is to be secured in time for our first issue in the fall. None of these things can be done until we know how many bona-fide subscribers we will have. It takes only a moment of your time to sign this post card either on the line indicating you will subscribe or on the line stating you will not. Your bill will be mailed to you July 1. *I thank you!*

**SUBSCRIBE NOW! Do not lose that post card!!**

## COLLEGE AND ALUMNI NEWS

### OUR NEW ATHLETIC POLICY

Last winter we heard a great deal in the papers about "mass athletics" and the great things certain athletic directors purposed accomplishing in the colleges by building up the physical stamina of the entire college body. Athletics for every student, instead of for the few men on the training squads of the teams, was much talked of. Seemingly these enthusiastic gentlemen have lost heart for we hear little of them and their "mass athletics" now. In truth the so called mass athletics had little to recommend them as being better than the setting up exercises, gymnasium and apparatus drills and athletic dancing which have long been in common use wherever physical education was taught. The same advantages and the same weaknesses are existent. And the prime weakness is that you cannot long hold the interest and enthusiasm of a human being in this type of exercise. You must have competition and to a certain extent it must be individual competition to arouse enthusiasm and hold the interest. If the enthusiasm is lacking the individual soon gives up the exercise, unless it is compulsory in which case he shirks just as much as he can. With a very little practice any man can "soldier" beautifully in setting-up exercises conducted in large groups. He can apparently go through the motions with scarcely any exertion and with an equal lack of benefit.

At Lehigh we recognized this, and while the trumpets blew loudly last winter we "said nothing but sawed wood." It seemed to the members of our Athletic Committee that with our splendid gymnasium and playing fields, and with such a man as Professor Reiter, with his corps of experts including all the year around men like Keady, Bartlett, Boquel and Mahoney, we already had the machinery to start something.

To be brief, we planned an extension of Lehigh's athletics to furnish such a wide range of sports under competent coaching that eventually every man in college could find at place in at least one branch, and competitive athletics be within the reach of every student. Our first step was to hire another assistant for Reiter in the person of Morris Kanaly, an expert on track and field athletics as well as cross-country running. Kanaly was tried out last spring and finding that he reached the Lehigh standard he was engaged as a regular instructor in the Department of Physical Education. Then "Jimmie" Murphy, who was an assistant coach in football, was made basketball coach, so as to add another to our year-round instructors. "Billy" Sheridan was re-engaged as wrestling coach, and as Bethlehem is his home another man on the staff was available for consultation at any time during the year. Today the Lacrosse coach is the

only real "seasonal" coach we have on our list. Every other man is in Bethlehem during the entire year.

Swimming, soccer, cross country running, and boxing, together with special teams for the Freshman class, were added to our list of sports. Golf will be fostered this spring if proper arrangements can be made with the Northampton Country Club. Class, course and fraternity teams will be encouraged. At present the fraternities have a bowling league that fights it out on the alleys in Drown Hall, but basketball, baseball and even football should be added.

Our list of sports is as follows:

**Fall**—Varsity football, Varsity Harriers, Freshman football, Freshman-Sophomore Founder's Day Sports, fall practice in baseball, lacrosse, and track.

**Winter**—Varsity basketball, wrestling, soccer, swimming, Freshman basketball, track work both indoors and outdoors on wooden track, boxing, handball, gymnasium and apparatus work.

**Spring**—Varsity baseball, lacrosse, track, tennis, and golf. We also expect to add two outdoor handball courts which can be used in spring and fall for outdoor competition.

All very well you say, but how many men actually compete? Well in the worst week this winter when we were so snowed up in Bethlehem that traffic and business was at a stand-still, and to a layman the thought of competitive athletics would have seemed nonsense, we had the men counted who were actually participating in competitive sport. Every man at Lehigh must take regular exercise. If he cannot on account of physical disability go in the regular gym classes he must take "special gym." Only men participating in competitive athletics can be excused. Here's the record. It certainly speaks for itself. In the dead of winter half the college were playing games of their own choosing!

Swimming .....	125
Wrestling .....	100
Boxing .....	75
Track .....	40
Varsity Basketball .....	40
Freshman Basketball .....	30
Soccer .....	25
Handball .....	25
Apparatus .....	25
Total .....	485

Think of it, 485 as against 400 taking the regular gym classes. The balance of the men in college, for physical reasons, were excused from regular gym classes and were taking special gym. Do you agree we have made a good start? Only the lack of space prevents us from making even faster headway.

It is of interest to know by whom these sports are handled. Of course they are

all under the general direction of Prof. Reiter.

Keady—Football and baseball.

Kanally—Track and field sports, and cross country running.

Bartlett—Gym classes, apparatus, boxing, and Freshman basketball.

Mahoney—Swimming.

Note.—Mr. H. B. Smith handles the classes in swimming, only the highest class going to Prof. Mahoney for try-outs for the team.

Sheridan—Wrestling.

Murphy—Basketball (Assistant coach football).

O'Neill—Lacrosse.

Bouquet—In charge of training and equipment.

### WRESTLING

This year's wrestling team, while not up to the standard of past years, is making an excellent showing considering the small amount of experienced material Coach Sheridan has to work with. They are improving every week, and while we have no hope of winning the Intercollegiates, we expect by the end of March to have a team which will make a good showing. At the time this is written only three of the contenders in the Intercollegiates have been met in dual meets. State, the present title holder, whose team this year again expects to win the championship, beat us decisively; Cornell won from us in a hard fought match, and Columbia, after winning from Princeton and Brown, was a rather easy victim for our team. Booth, '20, who is Captain and the present Intercollegiate heavyweight champion, is the star of the team, with Good, formerly '17, and now back in college to finish his course, the only other finished wrestler. He holds forth in the 175-pound class with Loeser as his understudy. Coxe and Bergdoll are the principal contenders to represent Lehigh in the 158-pound class, Hoffman and Bertolet wrestle in both the 135 and 145-pound class, and Locke is a strong contender in the 135-pound class. In the 125-pound class, Naame, and in the 115-pound class, Clarke, appear to be the best at present writing.

#### Schedule

	Opp.	L. U.
Jan. 31—Springfield College...	17	13
Feb. 7—*Navy .....	30	0
Feb. 14—*State .....	27	4
Feb. 21—Columbia .....	10	23
Feb. 28—Cornell .....	18	13
Mar. 6—Pennsylvania .....		
Mar. 13—State .....		
Mar. 26-27—*Intercollegiates at Penna.		

\* Indicates meets away from home.

E. L. Jenness, Manager.

E. Booth, Captain.

Wm. Sheridan, Coach.

### BASKETBALL

On the record the team this year would appear to be a very in-and-out aggregation. The fact is that seldom during the

season has Coach Murphy been able to really put the full strength of the team on the floor. Rote, who is a star forward, due to injuries, played only a few games. Hess, at center, was out for quite a while on account of illness. Simendinger and Kennedy, at guard, were eliminated by the mid-year exams. Vic Wysocki, who is a whirlwind at guard and adds greatly to the teamwork, did not come out at all until just before the Swarthmore game. Then he managed to miss his train and almost the entire first half of the game. Swarthmore has one of the strongest teams in the college world, the champion Pennsylvania team being barely able to nose them out 27 to 24. They were simply running away with Lehigh when "Vic" arrived, the score being 11 to 1. With Wysocki in the line-up Lehigh came back with a vengeance and closed the gap within one point, finally losing 24 to 23. "Tim" Danovan is our star forward and with Rote out of the game Maurer is his running mate. Hess is center, with Lees as a capable understudy. Captain "Jimmie" Straub and Wysocki are the guards. Frain, White and "Gus" Savaria are the leading substitutes. Savaria was unable to play until just recently owing to studies but his mid-year exams were passed with flying colors and he is now out for the team. The great disappointment of the season is that the team lost to Lafayette in the first game in Easton. A row between the Lafayette players and their coach resulted in the team being disbanded by the Faculty Committee, and now we have no chance for revenge. What boots it if our team is now going like a whirlwind. It only makes it all the harder when we think of that cancelled Lafayette game.

#### Schedule

	Opp.	L. U.
Dec. 13—Moravian College....	26	37
Jan. 7—Muhlenberg .....	20	33
Jan. 10—*U. of P. ....	36	23
Jan. 14—*Lafayette .....	27	22
Jan. 17—Bucknell .....	18	42
Jan. 24—N. Y. Aggies.....	9	51
Jan. 31—*Army .....	23	22
Feb. 7—Catholic U. (Cancelled)		
Feb. 14—Univ. of Pittsburgh..	27	24
Feb. 21—*Swarthmore .....	24	23
Feb. 28—Carnegie Tech.....	18	58
Mar. 6—Johns Hopkins Univ...		
Mar. 12—*Penn State.....		
Mar. 13—*Bucknell .....		

\* Indicates games away from home.

P. C. Hammond, Manager.

J. M. Straub, Captain.

J. Murphy, Coach.

### SWIMMING TEAM

The swimming team this year is proving that the Athletic Committee was wise in encouraging this sport. Although it is only about a year since the team was formed it took third place in the Middle State Intercollegiates and has made an excellent showing in its dual meets. Only

in the meet with Rutgers, whose team includes several of the star swimmers of the athletic clubs of New York, were our swimmers completely outclassed. Damiani, in the plunge; Stewart, in diving, and Jacobs and VanNort in their dashes, are Lehigh's stars.

#### Schedule

	Opp.	L.U.
Dec. 13—*Rutgers . . . . .	46	22
Jan. 10—*Johns Hopkins Univ..	36	32
Jan. 17—Allentown Y.M.C.A....	17	51
Jan. 24—Swarthmore . . . . .	13	37
Feb. 14—Stevens (Cancelled)...		
Feb. 28—*Intercollegiates: Rutgers, 41; Johns Hopkins, 15; Lehigh, 13; Swarthmore, 6; Haverford, 0.		

\* Indicates meets away from home.

A. J. Sugar, Manager.

J. Mahoney, Coach.

#### SOCCER

The soccer team, due to the earnest devotion of its adherents has at last won its place as a minor sport at Lehigh. This year the heavy snows have interfered greatly with its schedule, but the following games were played:

#### Schedule

	Opp.	L.U.
Nov. 8—*State College . . . . .	5	1
Nov. 29—*Haverford . . . . .	0	2
Dec. 6—U. of P. . . . .	2	1
Dec. 10—Swarthmore . . . . .	3	2
Dec. 17—State College . . . . .	3	2

\* Indicates games away from home.

"Ted" Estes, Manager.

"Whitey" Lewis, Captain.

Wilson (Bethlehem Steel Team), Coach.

During the spring the team will compete in the Blue Mountain League for the Wilbur Cup offered by W. A. Wilbur. With this practice it is expected to put a strong team in the field next fall. Manager "Gene" Burgess has arranged the following games for next season with the other members of the Pennsylvania State Intercollegiate Soccer Association:

#### Schedule

Nov. 6—*Girard College.
Nov. 13—*Haverford.
Nov. 27—U. of P.
Dec. 4—*Lafayette.
Dec. 11—Swarthmore.

\* Indicates games away from home.

#### BASEBALL PROSPECTS AND SCHEDULE

The mid-year exams put a crimp in Lehigh's baseball prospects, as Berquist, a star pitcher; Carlson, a crack catcher, and Kopf, a high-class infielder, were among those who flunked. However, besides Herrington, catcher on last year's team, there are two good men for that position among the new material, namely Wilson and Liston. "Swede" Johnson, captain of the team, will be the mainstay in the box, with Peiffer and Powles from last year's team and a number of new men to help out.

Glen and Yap are the old men out for first-base, and Douglass, the Freshman half-back, is said to be a corker at that position. Savaria, Donovan, Beck, Thompson and Boynton are other infielders from last year's squad, while in the outfield Mathag and Wysocki are still here. Mathag is a star of the first water and with his experience and ability will be the backbone of the team. So far eighteen new men, including the football and basketball star Harry Rote, have reported for the infield, and fourteen new men for the outfield. Just what ability they have we cannot judge at the present time but it is hoped that some stars will be uncovered, for the schedule is a hard one. The trip to New England during the spring vacation is the feature of this schedule and Keady will certainly have to uncover some pitching material to take care of five such teams as Army, Colgate, Vermont, Dartmouth and Wesleyan in a period of six days.

#### Schedule

Mar. 31—University of Vermont.
April 3—Swarthmore.
April 7—Open.
April 10—*Georgetown University.
April 14—Franklin and Marshall.
April 17—*Fordham University.
April 21—New York University.
April 24—*Army.
April 26—*Colgate University.
April 27—*University of Vermont.
April 28—*Dartmouth.
April 29—*Wesleyan University.
May 5—Seton Hall.
May 8—*Lafayette.
May 12—Ursinus.
May 15—*Syracuse University.
May 19—Villanova.
May 22—Lafayette.
May 26—College of City of New York.
May 29—*Lafayette.
June 5—Colgate University.
June 12—Johns Hopkins.
* Indicates games away from home.
J. A. Gardy, Manager.
V. E. Johnson, Captain.
J. T. Keady, Coach.

#### LACROSSE PROSPECTS AND SCHEDULE

Lacrosse prospects seem very bright, provided the snow gets off the ground in time to permit us any practice during March. A new coach has been engaged, W. T. O'Neil, from Toronto. He has played professional lacrosse in Canada and was coach at the Carlisle Indian School in the days that Glenn Warner was at the head of Athletics there. Warner recommends him highly and he will have to be good if he is to fill poor Jack Grimes' shoes. We have thirteen letter men back in college, Captain Nesselbush, ex-captain Jenness, S. Schultz, A. W. Lewis, Bachert, Maurer, Davidson, Thomas, Straub, Parker, Enslin, Alvin Wilson and Wey. Among the new men are Day, who is a Canadian and played extensively in Canada, Johnston, ex-



captain of Brooklyn High School, and Polhemus, who was a star player on the Stevens Prep School team.

#### Schedule

April 5—Cornell.  
 April 10—\*Navy.  
 April 17—Yale.  
 April 24—\*Crescents.  
 April 29—Syracuse.  
 May 8—\*Stevens.  
 May 15—U. of P.  
 May 22—Swarthmore.  
 May 29—\*Johns Hopkins.  
 \* Indicates games away from home.  
 W. H. Hunton, Manager.  
 G. L. Childs, Asst. Manager.  
 L. M. Nesselbush, Captain.  
 W. T. O'Neil, Coach.

#### PROSPECTS OF THE TRACK TEAM

Under the able supervision of Morris E. Kanaly, track athletics have become an all year sport at Lehigh. Even during the winter the activity does not cease. A board track is laid on the upper field and neither snow nor mud can stop the work of the sprinters and distance men. The old cage which was transformed into a barracks during the war is also available for runners, weight men can practice with the shot on the dirt floor under the North Stand of the Stadium, high and broad jumping can also be done there or in the wrestling room of the gymnasium. Cross country meets are held in the fall, indoor meets are attended by the track men in the winter, and in the spring a full schedule of dual track and field meets is arranged. There are forty men practicing now and as soon as active spring training starts we expect one hundred candidates out. In the high jump Lehigh's ace is "Buzz" Herrington, quarterback on the football team, who is also a star jumper. Although he devotes himself largely to baseball in the spring, he has set a mark of six feet in the high jump with practically no training for the event. This is Lehigh's record, and if the track team weans him away from baseball he is a sure point-winner. In the broad jump, Locke, '21; Riebe, '21, and Markley, '23, are the best. Captain M. P. Paret, Jr., '20, with a mark of 11 feet, 6 inches, is the star in the pole vault. In the sprints Locke, '21; Laurie, '21; Riebe, '21; Diffenbach, '22; Colby, '23; Talmage, '23, and Wright, '23, are the best men. In the 440-yards, Cox, '22; McPherson, '22; Burgess, '23; Fancher, '23; Liester, '23; Lodge, '23; Markley, '23, and Wight, '23, are the best. The two best men on last year's relay team, Merkel, '21, and Haldeman, '22, have gone to U. of P. and Yale, respectively. In the 880-yards, Newell, '20; Brugmann, '21; Gerlach, '22; Bray, '23; Helffrich, '23, and Laughton, '23, are showing up well. Esterson, '21; Bailey, '22; Hill, '23; Reynolds, '23; Schwarzbach, '23; Todd, '23; Watrous, '23, and Schragger, '23, are good milers. In

the two mile we have a real star in W. A. Carr, '20, winner in last year's dual meet with Lafayette and who was placed in the Intercollegiates. He also won the cross-country meet last fall with Rutgers and ran second in the cross-country championships. In the hurdles our best men are Powles, '22, and Markley, '23.

The schedule is not finally completed but at present stands as follows:

#### Schedule

April 24—\*New York University.  
 April 28—Penn State.  
 April 30 and May 1—\*U. of P. Relay Races.  
 May 8—\*Rutgers.  
 May 15—\*Middle States Intercollegiates, at New Brunswick, N.J.  
 May 22—\*Navy.  
 \* Indicates meets away from home.

Meets with Lafayette, Stevens and Muhlenberg are pending.

M. B. Tate, Manager.  
 A. J. Barthold, Asst. Manager.  
 M. P. Paret, Captain.  
 M. E. Kanaly, Coach.

#### TENNIS SCHEDULE

Lehigh is counting on a strong tennis team this year. Three of last year's team are still in college, namely, "Ted" Estes, Allen Hall and Robert Mercur. Among the new men one stands out with promise of being the star of the team. This is Rodney Beck, '23, of Philadelphia. He has already made a name for himself in the tennis world, having won numerous cups and medals. Last year he paired off with the famous William T. Tilden in a number of important tournaments.

#### Schedule

April 17—Rutgers.  
 April 21—Moravian.  
 May 8—Open.  
 May 12—Muhlenberg.  
 May 15—\*Navy.  
 May 19—Penn State.  
 May 22—\*Lafayette.  
 May 26—Lafayette.  
 May 28—\*C. C. N. Y.  
 May 29—\*Columbia.

\* Indicates matches away from home.

#### FOOTBALL SCHEDULE, 1920

Sept. 26—Lebanon Valley.  
 Oct. 2—\*Univ. of West Virginia.  
 Oct. 9—Rutgers.  
 Oct. 16—University of Rochester.  
 Oct. 23—\*Washington & Jefferson.  
 Oct. 30—Carnegie Tech.  
 Nov. 6—Penn State.  
 Nov. 13—Muhlenberg.  
 Nov. 20—\*Lafayette.

\* Indicates games away from home.

R. M. Hinchman, Manager.  
 A. S. Herrington, Captain.  
 J. T. Keady, Coach.

## MILITARY TRAINING MADE COMPULSORY AT LEHIGH

At their meeting on January 14th, the Trustees, being convinced by the experiment carried on this year of the educational value of military training, decided to make military training, under the War Department's Reserve Officers Training Corps Regulations, compulsory on all Freshmen, physically fit, entering in September next. The University has had during the present year a voluntary military unit of over 300 men, whose record during the present term has reflected high credit on them and on our Professor of Military Science and Tactics, Lieutenant-Colonel John W. Lang (West Point, '07).

This requirement of military training for all coming entering Freshmen is similar to the regulations in force at the Massachusetts Institute of Technology and at Cornell.

## THE NEW COURSE IN SHIP CONSTRUCTION AND MARINE TRANSPORTATION

Prof. R. J. Fogg and Associate Prof. L. B. Chapman, of the Lehigh Faculty, recently made visits to New York, Philadelphia and shipyards along the Delaware, in behalf of the University's course in Ship Construction and Marine Transportation.

In calling upon the executive officers of the leading shipbuilding companies, including the Manager of the American Steamship Association, Professors Fogg and Chapman found a decided feeling of optimism as to the business future of the fields of shipbuilding and shipping. The executives everywhere expressed their approval of Lehigh's new course as an admirable preparation for these fields.

In a number of instances the companies' officers said that they would be pleased to take a definite number of Lehigh N.E. graduates yearly. All of the shipyards agreed to co-operate with the University in placing students for summer work, which is a part of the course in the summer of the Sophomore and Junior years.

A new circular has just been issued describing the course in Ship Construction and Marine Transportation, copies of which are available in the office of the Registrar. Copies will be sent, at the suggestion of Lehigh men, to prospective students in high schools and preparatory schools.

Extracts from the circular are as follows:

Lehigh University offers a four-year course in Ship Construction and Marine Transportation leading to the degree of Naval Engineer (N.E.). Its purpose is to prepare men to engage in the design, construction and operation of ships, and to enter the field of marine transportation. The course is a combination of engineering and economics preceded by the fundamental subjects common to engineering courses; chemistry, modern languages, physics and mathematics. Combining, as it does, engineering training with studies

in economics and business administration, such a course offers great advantages. It has been planned to develop a class of men, who in addition to a knowledge of conditions governing ocean and inland water transportation, will have a command of the technical, economic, and financial aspects of ship design, construction and operation.

Students are encouraged to obtain summer work in shipyards and on shipboard, and the department co-operates in finding positions for them. The summer following the Sophomore year should be spent in a shipyard. This brings the student into direct contact with practical ship construction and shipyard practices, so that he unconsciously acquires a knowledge of proportions and dimensions of engineering structures. The summer following the Junior year should, if possible, be spent at sea so that the student may observe the action of a ship at sea, and study the operation of the ship's power plant.

The location of Lehigh University in Bethlehem is admirable for a course in Ship Construction. The shipping and shipbuilding centers of New York and Philadelphia are only a few hours away. The administration and designing offices of the Bethlehem Shipbuilding Corporation, one of the largest shipbuilding concerns in this country, are located opposite the entrance to the campus of the University.

The attention this new course is attracting is evidenced by the following editorial from "Shipbuilding and Shipping Record," of London, January 22, 1920:

"The training of shipbuilders and of marine engineers has become one of the recognised functions of many of our higher technical colleges and universities, but so far as we are aware no attempt has been made in this country to deal specifically with the training of men to enable them to understand better the business of the operation and management of ships; that is, to enable them to become more efficient in the responsible positions in our shipping offices. It has been left to an American University, the Lehigh University of Bethlehem, Pa., to inaugurate such a course of training, and from the particulars of the curriculum which we have just received, the course seems admirably suited to achieve its object. The 'Ship Construction and Marine Transportation' course, as it is called, occupies four years, and it combines engineering training and naval architecture with studies in economics and business administration, particular emphasis being laid upon the latter two subjects. It has been planned to develop a class of men who, in addition to a knowledge of conditions governing ocean and inland water transportation, will have a command of the technical, economic and financial aspects of ship design, construction and operation. The idea certainly seems to be a very good one, and one which is worthy of being followed on this side."

## NEWS OF LOCAL ALUMNI CLUBS

### NEW YORK LEHIGH CLUB

The Opening Night and Annual Meeting of this Club was held on December 5, 1919, at the Machinery Club, 50 Church Street, New York City. The President, Francis Donaldson, '01, presided, and the guests of the evening were Robert Grier Cooke, '84, President of the Fifth Avenue Association, Lt.-Col. Charles W. Whittlesey, Commander of the "Lost Battalion" and master of the retort courteous when asked to surrender, and "Babe" Rinehart, President of the Lafayette Alumni in New York, who according to the program had been subject to considerable discomfort because of the long succession of Lehigh victories and who promised to tell the diners how the impossible happened last fall.

The first business of the meeting was to elect seven new Governors to the Board and the balloting resulted in the following being elected to serve three years: de-Courcy Browne, '07; W. A. Drisler, '09; M. M. Farley, '06; John A. Hart, '12; George F. Murnane, '10; Jacob Stair, Jr., '11; Aubrey Weymouth, '94. In addition H. W. Baldwin, '96, was elected to fill the unexpired term of Edmund Quincy, whose business has taken him away from New York. It is of interest to note that at the meeting of the Board of Governors held on December 15, the following new officers of the Club were elected for the coming year:

President: Thaddeus Merriman, '97.  
Vice-President: George F. Murnane, '10.  
Secretary: Jacob Stair, Jr., '11.  
Treasurer: M. M. Farley, '06.

"Bill" Colling, ably assisted by his corps of colored artists, did his best to prevent everybody from eating by keeping them either singing or cheering every minute. Cooke gave an excellent talk on the work of the Fifth Avenue Association in protecting the interests and promoting the beauty of the greatest street in the world. Col. Whittlesey spoke briefly and modestly and we gave him no chance to tell us "To go to Hell," but each man remembered and, as the Colonel stood there, visualized that scene in France, felt his blood pulse more quickly in his veins as he thought of that desperate fight and realized how this quiet, modest man had in that exasperated retort expressed the spirit of the American Army. They were there to advance, not retreat, to fight and die, not to surrender.

Rinehart, who is a great favorite with the New York Lehigh Club, got an enthusiastic reception, and he and "Okey", who sat beside each other, exchanged compliments as they had exchanged buffets in the old days. "Okey's" talk was simply a brief resume of college and alumni affairs, and he expressed satisfaction in being able, after a year in which he had talked nothing but Memorial, to have a chance to discuss something else. Col.

Whittlesey introduced an officer of the American Legion from the Pacific Coast who gave a splendid talk on the Legion and its plans and purposes.

### PHILADELPHIA LEHIGH CLUB

The Annual Dinner of the Philadelphia Lehigh Club was held at Kuglers, on Friday, January 23, 1920, at 6.30 p.m., with President "Bob" Farnham, '99, acting as toastmaster. An innovation was the presence of the Lehigh Glee Club Quartette and also a Banjo Trio of the Lehigh Mandolin Club. Both before and after the meeting they entertained with some excellent music.

The list of speakers was formidable in number, but as each one showed a proper pity on their victims and cut their remarks short, the speaking was over in time for an enjoyable after-meeting to be held.

Prof. John L. Stewart (did I hear someone say "Baldy"), head of the College of Business Administration at Lehigh, gave one of his pithy talks, full of wit as well as thought. "Gene" Grace, '99, President of the Bethlehem Steel Co., spoke in a serious vein, although punctuating his remarks with several funny stories. He spoke of the University and its future from the standpoint of a Trustee, as well as an alumnus, and also gave an illuminating talk on the business future of our country. A. H. Rudd, Yale, '86, was, as usual, side-splitting. Rudd is in danger of being claimed by Lehigh, for a Philadelphia Lehigh dinner without him would lose much of its piquancy. George H. Neilson, '85, President of the Braeburn Steel Co., and prominent in the affairs of the Pittsburgh Lehigh Club, proved that he could use the hammer in Philadelphia as cleverly as in Pittsburgh and, like the Irishman at Donnybrook fair, hit every head in sight. Vice-President Emery spoke for the University in the unavoidable absence of President Drinker, and Walter Okeson, Secretary of the Alumni Association, told of the expanding alumni program of work and of the part the Association is now playing in the affairs of the University.

One of the enjoyable features of the evening was a history of the Philadelphia Lehigh Club read by "Bernie," the Secretary of the Club. This Club was organized 27 years ago, on February 18, 1893, with Caspar W. Haines, '74, as President; W. H. Baker, '73, and D. P. Brunner, '72, as Vice-Presidents; H. A. Bonzano, '88, as Secretary, and R. B. Claxton, '73, as Treasurer. Its first activity was to assist in discharging the debt of the Athletic Association, which marks the first financial aid given by the Alumni to the College. On January 11, 1905, the Club passed a resolution recommending the election of

Dr. Drinker to the Presidency of Lehigh. In March, 1905, the Philadelphia Lehigh Club "News" appeared, which was the earliest Alumni paper. The famous "shad dinners" were inaugurated in 1897, which were the first out-door meetings held by any Lehigh Club. During 24 years of the Club's life Moriz Bernstein, '96, has been affiliated with it, and during most of that time has been its Secretary. It is safe to say that much of the Club's success is due to his efforts.

#### LEHIGH CLUB OF NORTHEASTERN PENNA.

Members of Northeastern Pennsylvania Lehigh Club held their annual meeting and dinner in the private dining room at The Sterling, in Wilkes-Barre, on the evening of February 17, 1920. H. H. Otto, '12, and P. S. Warriner, '10, were elected President and Secretary-Treasurer, respectively. Those present resolved to do their utmost to revive a lively spirit favorable to Lehigh University in Wyoming and Lackawanna Valleys by the dissemination of propaganda extolling the merits of Lehigh as an educational, social and athletic center.

It was announced that a site has been selected and architects are now working on the plans for the erection of a \$500,000 Memorial Administration Building in honor of the students who served during the recent world war. Work of construction will begin in the early summer.

During the evening the alumni lustily sang songs of their Alma Mater, and popular airs, to music furnished by Curtis G. Harrower, pianist. The room was decorated with Lehigh banners and pennants. The guest of the evening was Walter R. Okeson, General Secretary of the Alumni Association of Lehigh University, who revealed that 500 students today are daily competing in soccer, swimming, basketball, wrestling, boxing and handball. He said that every man at Lehigh must take physical education but those participating in competitive sports, which are of greater value to the building of a physique, may discontinue the regular physical exercises. The affair was informal and talks were made by practically all those present, who were:

Bloomsburg—E. S. Stackhouse.

Bethlehem—Walter R. Okeson.

New York—W. C. Anderson.

Hazleton—Grier Lloyd.

Scranton—William Griffith, J. M. Beaumont, D. H. Jenkins, H. Kemmering, Ralph B. Williams, M. H. Bingham.

West Pittston—V. T. Lawshe.

Wilkes-Barre—Gilbert Jacobosky, H. H. Otto, E. Schweitzer, Stephen Elliott, Rev. J. L. Ware, H. Guy Haupt, Paul S. Warriner, J. R. James, G. L. Phillips, J. J. Clark, A. F. Connell, C. R. Parrish, G. E. Shepherd, E. H. Lawall, E. H. Austin, John Fritz.

#### IN THE OLD DAYS

A history of Lehigh is now being planned and it behooves all of us to make available all that is known and remembered of the doings at our college in the early days. Records of the seventies and eighties we have among our archives, but they are meagre in detail and the human element and touch generally lacking. And so the Editor is going to ask all who will to send in their reminiscences, and especially do we want the human side of the episodes of college life.

The following article, contributed by William B. Hammond, '79, the first of Lehigh's "speed-artists," is especially valuable in that it gives the records of the first two athletic meets held at Lehigh. These records are a distinct addition to our archives as we find among these archives no athletic record earlier than the Fall Meet of the Lehigh Athletic Association in 1876. The first "Epitome" was published in November, 1875, but was already in press when the first athletic meet was held. The committee on publication for this "Epitome" was H. F. J. Porter, M. P. Paret and Frank P. Howe, all members of '78, the then Sophomore Class. The next "Epitome" published in November, 1876, was also edited by a committee of the Sophomore Class. This "Epitome" records the Fall Meeting of the Athletic Association, held on October 21, 1876, at Rittersville, and the record shows clearly that previous meets were held as it notes who were the winners of certain events at the "last meet." But it gives no records of these meets, and Hammond's article, which follows, adds important data to our athletic history.

Brush up your memories and let us have the story of the early days of baseball, football, lacrosse, and all other branches of sports. Also of the way in which the Burr, Brown and White, Mustard and Cheese, and other college organizations started.

#### Athletics at Lehigh Forty Years Ago

It was a very great pleasure a few days ago to meet Mr. W. R. Okeson, '96, at a football game, and our conversation naturally drifted to Athletic Sports at Lehigh, and I am complying with a request made by him at that time to write a few words on athletics at Lehigh during a period when the Athletic Association had few men to draw from and with no knowledge of athletic training.

In the early days of the Athletic Association at Lehigh we had to do the best we could. Now we have our beautiful Taylor Field with its fine stadium and wonderful surroundings that any University might be proud of.

If my memory serves me correctly the Lehigh University Athletic Association was formed in 1875, and the first meet that I have any record of was in the late fall of that year and held at the Ritters-

ville Driving Park, located about midway between Bethlehem and Allentown.

Those taking part in the contests met at the Eagle Hotel in Bethlehem and were driven in an omnibus to the Park. If you missed the bus you watched your chance and walked, and I happen to know of one young man who did that very thing. Those taking part in the athletic events of those days knew nothing of training, had no trainer or coach, ate anything they fancied and lots of it. Breakfast was one of our principal meals, the other two being dinner and supper.

Imagine eating a heavy meal and going four miles from the University to Rittersville Park to take part in an athletic meet, but we did it.

Unfortunately I have no record of the exact date of the fall meet in 1875, but the track was very heavy, a drizzling rain having set in which later turned to snow. There were seven events and I give them in their regular order.

The first, the 100-yard dash, was called at ten a.m., and was won by Hammond, '79; time, 10 $\frac{3}{4}$  seconds, with Lafon, '78, a very close second.

Then came putting the heavy shot, 21 pounds, which was won by Paret, '78, clearing 23 ft. 8 in., with Robinson, '79, a good second.

The mile walk was won by Porter, '78, in 9 minutes and 21 $\frac{1}{4}$  seconds, and quoting from a newspaper, "considering the condition of the track, was excellent walking."

The half mile run was won by DeMesa, '78, in two minutes and 45 $\frac{1}{4}$  seconds.

The standing wide jump was won by Porter, '78, 8 ft. 5 in.

Throwing the baseball was won by Hammond, '79, in 297 ft., with Richards, '76, a few feet behind.

The heavy hammer, 16 pounds, was thrown 84 ft. 8 in. by Richards, '76.

At this stage the snow interfered with the balance of the contests and they were reluctantly given up.

Our uniforms were varied and weird, which statement is sustained by the following which appeared in a newspaper report. "In the half mile run Eckert, '78, DeMesa, '78, and Wilson, '78, appeared at the scratch in uniforms suggestive of the sawdust arena." Scanty trimmings in a snow storm.

It is not my intention to burden any of my readers with too many details, but the results of these contests in the early days of the Association may be interesting for the purpose of comparison.

The second meet was held at the Rittersville Park on May 27, 1876, with twelve events:

1st—100-yard dash, won by Hammond, '79, in 11 $\frac{1}{4}$  seconds.

2nd—Putting heavy shot, 21 pounds, won by Paret, '78, 23 feet 9 inches.

3rd—One mile walk, won by Hazlett, '78, in 9 minutes 19 $\frac{3}{4}$  seconds.

4th—Standing wide jump, won by Porter, '78, distance 8 feet 10 inches.

5th—Throwing heavy hammer, 16 pounds, won by Nowlan, distance 51 feet 4 inches.

6th—Half mile race, won by Nostrand, '78, in 2 minutes 28 seconds.

7th—Throwing baseball, won by Owen, '77, distance 311 feet.

8th—Three mile walk, won by Porter, '78, in 29 minutes 27 seconds.

9th—Putting light shot, 16 pounds, won by Richards, '76, distance 27 feet 2 $\frac{1}{2}$  inches.

10th—Throwing light hammer, 9 pounds, won by Richards, '76, distance 70 feet 10 inches.

11th—Quarter mile race, won by Owen, '77, in 1 minute and 7 seconds.

12th—Consolation race, 3 legged, 100 yards and return, won by DeMeza, '78, and McComas, '77.

One or two meets were held after this at Rittersville, of which I have no record, and later all the athletic events were held on the University grounds at South Bethlehem.

Lehigh had some speedy runners in the early Eighties, among them were Duncan, '80, and Dalrymple, '83.

Goodnow, '83, was very good at pole vaulting and won the event against Lafayette at the first meeting of the two Associations, with a record of 8 feet 8 inches, and Dalrymple came in second in 100-yard dash, in 10 3-5 seconds.

This brings me to the first intercollegiate field meeting of the Lehigh University Athletic Association and Lafayette College Athletic Association, held at South Bethlehem, I think in 1880 or 1881. While I have a record of this meet I have not the date.

There were twenty-one events, Lehigh winning twelve and Lafayette eight, and one tie. At this meet the standing high jump was won by two Lehigh men, Goodnow, '83, and Dalrymple, '83, each at four feet three inches.

The Judges were General Frank Reeder, of Easton, and Messrs. Warren A. Wilbur and D. E. Pierce, of Bethlehem; time keepers, Messrs. L. R. Myers, of Bethlehem, and Rinek, of Easton; referee, Mr. George J. Cope, of Easton; starter, Mr. George A. Hunt, of Bethlehem, and clerk of course, Mr. Lewis Stockton.

Little interest was taken in football, and when played was an open game, kicking only, and lacrosse with its grace and speed came later, and which in my judgment is about the best of all out-door sports to watch. It is not a parlor game by any means.

Touching on baseball, we did our best, but when you think that we had at that time less than two hundred men to draw from you can see the difficulties we experienced in all forms of athletics.

Year after year Lafayette defeated us, and on one occasion Dr. Coppée, at one time President of the University, promised

the baseball club a dinner on winning from Lafayette. That dinner was given but it was some years after my time.

Lehigh is to be congratulated on the splendid records of her teams of the present day, and as time goes on will be second to none in all sports.

Of course there have been and will continue to be times when we lose heart, to say nothing of cash, but that is all in a lifetime, and the old chaps have just as many thrills as the youngsters, for the sporting blood still flows in their veins even if it is a bit thin.

W. B. HAMMOND, '79.

### FOOTBALL IN THE EIGHTIES

#### Dispute About Lehigh-Lafayette Scores

Here's a chance for exercising your memory, you gridiron heroes of the Eighties. There follows an extract from a letter from George A. Sigman, Graduate Manager at Lafayette, having reference to scores of two games, one in '85 and one in '86, which are claimed as victories by Lafayette and as tie games by Lehigh.

"I understand from those who are experts in football history that in 1886 during the second game between Lehigh and Lafayette that the score was '4-0' in favor of Lafayette, that Lehigh left the field and claimed a 'tie game'; also in 1885, the first game of the season, the score was '0-0,' that Lehigh left the field and the officials awarded the game to Lafayette but did not give any figures of the score. As the records now stand, the total, including the 1919 game, includes 26 victories for Lafayette, 23 for Lehigh, with 2 'tie' scores, and the two games above mentioned in dispute. This makes a total of 53 games since 1884, when football was started between the two institutions.

Please take up this matter with your football historians and let me know whether or not the above is the correct version of the story?"

### BUSINESS ANNOUNCEMENTS

David H. Brillhart, '06, and George R. Brothers, '08, have severed their connection with the Bethlehem Fabricators, Inc., and have organized a contracting company to be known as the Brillhart-Brothers Construction Co., with headquarters in Bethlehem, Pa.

Carl A. Baer, '08, has formed a partnership with Merritt T. Cooke, Jr., under the firm name of Carl A. Baer & Co., with offices in the Land Title Building, Philadelphia, Pa. They will specialize as consulting engineers on textile mills, industrial plants and power plants.

Irving Samuels, '13, has opened offices in the Hunsicker Building, Allentown, Pa., and has been appointed the exclusive distributor for Eastern Pennsylvania for the Cutler-Hammer Mfg Co., Electro Dynamic Co., Electric Machinery Co., and the Well-

man-Seaver-Morgan Co. In conjunction with the A. J. Kutchera Co., he has opened an office in the Second National Bank Building of Wilkes-Barre, Pa., to serve clients and customers in that region.

### LIFE MEMBERSHIP

Our Life Membership list continues to grow. At times we have a pleasing dream of the day when everybody will be a Life Member and there will be no bills for dues to be sent out. When the Alumni Association will have an Endowment which will assure its work going on without the lost motion necessary to collect the funds necessary to keep the machinery moving. The day will come when Lehigh University and the Lehigh Alumni Association will be almost synonymous in meaning because the Association will have proved its ability to support the University in every crisis. Some day the Life Membership Fund will become larger than is needed for Alumni purposes and from it will come increased endowment for our Alma Mater. At present, however, our goal is 1000 Life Members and \$100,000 in the Fund.

Since publishing our list in the December issue we have received the following new Life Members: S. H. Jencks, '88; C. H. Miller, '90; H. M. Knapp, '91; H. C. Paddock, '98; W. L. Heim, '02; C. W. Buell, '04; J. T. Todd, '06, and H. Y. Eagle, '12.

Send a \$100 Liberty Bond of any issue or a check for \$100 and become a **PERPETUAL MEMBER** of the Association, cancelling all dues, past and future.

### AN ALUMNI REVOLVING

#### FUND PROPOSED

The Secretary of the Alumni Association would be glad to hear from fellow alumni their opinions on the fund proposed in the following letter.

December 17, 1919.

To the Editor,

LEHIGH ALUMNI BULLETIN,  
So. Bethlehem, Pa.

Dear Sir:

In the work of soliciting for the Lehigh Memorial several cases of Lehigh men in hard luck have come to the attention of the writer.

It is probably very seldom that a graduate of Lehigh runs up against serious difficulties and yet—as the best ship in the world may break down—the best men may do likewise and need a helping hand.

There have been brought to my attention cases of Lehigh men broken in health to such an extent that they were not able to take part in the war activities and were turned down on enlistment and in the draft.

The writer believes there is a fund at Lehigh for assisting young men to secure an education. Is it not as important, or more so, to lend aid to a Lehigh graduate, with a full engineering training, ambitious

and desirous of forging ahead and yet temporarily incapacitated physically?

I am calling this matter to the attention of Dr. Drinker and Mr. Okeson, Secy. of the Alumni Assn., hoping it may meet with their approval. If it does, I would suggest the establishing of a fund to be deposited with and spent under the jurisdiction of the President of the University and the Secretary of the Alumni Assn. Such a fund to be used for the assistance of any Lehigh Alumnus who, in the judgment of the custodians, and after a careful investigation, may be found to be in need of such help to reestablish himself in his profession.

If any Lehigh man will imagine himself in such circumstances and will recognize that the mental anguish is far greater than the physical—bad as that may be—I am sure he will want to assist his brother Alumnus.

This S. O. S. is not sent out at the request of or even with the knowledge of those the writer has in mind, but is done as the result of information gathered as a solicitor for the Memorial Fund.

A Lehigh Memorial Fund Solicitor.

### OUR ADVERTISERS

The Worthington Pump and Machinery Corporation has just issued a 115 page book entitled, "Worthington Condensing Apparatus." It is printed on heavy smooth finished paper that enables them to get splendid reproductions of the numerous cuts which profusely illustrate this book. It pictures and describes every type of jet, barometric and surface condenser and auxiliaries for low or high vacuum in vacuum pan, evaporating work, and every field in the engineering arts, as well as the production of power. The plants of this corporation, which is headed by C. P. Coleman, '88, as President, have had forty years experience in the manufacture of this class of apparatus. This book also contains a great deal of useful information for steam or condensation engineers, with a number of tables and diagrams for use in calculations. Also notes on the installation and operation of Worthington Surface Condensers.

### SERVICE OF SUPPLY

The Editor would appreciate the sending in of more of the interesting documents showing the activities in supply of war munitions by companies in which Lehigh men held executive positions. We have already secured and published between thirty and forty such records, but many others have not as yet been sent in.

### THE FAIRBANKS CO.

Valve Manufacturing Division,  
L. G. McCauley, '04, Manager

During the war this Division manufactured Brass and Iron Valves for the War

Department, the U. S. Shipping Board, and for a number of large corporations who were engaged in war work. The production was practically one hundred per cent. for the above consumers. For the Army supplies were for cantonment construction, depots and arsenals; the Navy ordered for marine barracks, training stations and Navy yards. The U. S. Shipping Board supplies went to thirteen of the biggest shipyards, such as International, at Hog Island; Submarine Boat, at Newark; Bethlehem Shipbuilding Co., etc. The corporation work was for some of the largest of our war munition contractors such as Bethlehem Steel, American Locomotive, Carnegie Steel, and Bartlett-Hayward (the activities of these companies have been covered by previous articles in the BULLETIN). In addition to his work in superintending the manufacture of these valves, McCauley worked hard as a certified government agent in selling War Saving Certificates and U. S. Thrift Stamps.

### AMERICAN CYANAMID CO.

Walter S. Landis, '02, Chief Technologist

The lack of nitrate deposits in this country and the danger of the Chilean supply being cut off, was one of our most serious problems at the outset of the war. The only solution possible for us was great air nitrates plants, which had to be designed and built quickly to make our position secure. The one concern with adequate experience was the American Cyanamid Co., and the government called them to its assistance. The greatest expert in the country was Walter S. Landis, Met.E. '02, M.S. '06, a former member of Lehigh's faculty. The government had already called Landis into consultation on the supply of hydrogen for balloon purposes and he designed the first successful portable hydrogen generator using ferro-silicon and caustic soda as raw materials. He was also a member of the Advisory Committee formed by the Secretary of the Navy to study the production of helium gas.

In connection with the Government Nitrate Plant, the American Cyanamid Company placed his services gratuitously at the call of the Government and he served as Chief Technologist of Air Nitrates Corporation, which designed and constructed the Muscle Shoals Plant, and placed the same in operation. They also designed plants for Cincinnati and Toledo which were not completed at the time of the signing of the armistice and the construction of which was abandoned. He worked out the successful process of oxidizing ammonia installed at these plants and designed all the apparatus used in this process, the detailing and execution of which was in the hands of another Lehigh man of his selection, Mr. Theodore Nagel, M.E. '08. Nagel later left the employ of the Air Nitrates Corporation to superintend the erection of a very large



part of the nitric acid plant by a subcontractor, the Chemical Construction Company.

As Technologist Landis passed upon all innovations of apparatus and equipment of a chemical nature which entered into these plants and conducted an active search and prospect for limestone and coal in Alabama and for limestone for the two Ohio Plants. At the completion of this Governmental work he returned to his old position with the American Cyanamid Company and made an extended foreign trip studying the activities of the allied countries along these same lines and it is gratifying to note that he found the successful results obtained through operation of the Muscle Shoals Plant were not matched anywhere else in the world.

### 89's CALL TO ARMS

Probably the best of all the stirring circular letters sent out by the various Class Committees during the Memorial Campaign is the following from the Class of '89. It was entitled "Under Three Flags" and reads as follows:

The old call has sounded once again: '89 to the front! The men have got to stand up and be counted. We have brought out the old "rouge et noir"—the Red and Black of '89 and are lining up in competition with all the other classes. Remember our class motto, "Certum pete finem," which is Pennsylvania Dutch for "Second to none—'89 second to none!"—and there is one class ahead of us now in the amount subscribed for the Lehigh Memorial! What is the answer? Dig down in your jeans and bring up more dough—every '89 man must give as much as he can afford.

Even in our Sophomore days when '89's Red and Black banner covered our whole horizon, even in those days we flew our class colors below the Brown and White of the Varsity. So today, when Yale's Blue, Harvard's Crimson, Princeton's Orange and Black, and all the flags of all the colleges are calling their men to rally to their colors—today Lehigh's Brown and White calls to Lehigh's sons to build in enduring bronze and stone a monument to Lehigh men who died for our country—a memorial to the Lehigh spirit which never dies! The spirit which calls all Lehigh men to serve, the young men to fight, even to die, the older men to give even to sacrifice. She is calling you, old man, fall in under the Brown and White and send your answer, whether it rustle like the check of the prosperous or clink in the cup like the widow's mite.

Higher still on the flagstaff, broader in the reach of its encompassing folds, richer in history, more inspiring in its record of service and sacrifice, flies still another flag—the Stars and Stripes. This flag too is calling you, for its spotless White would become a murky yellow if the honor of those who died for it is to be forgotten by those who live! It's blood red stripes will fade

into a pallid pink and the stars of glory which flash from its folds will grow dim and lustreless if the spirit which unfurled it at Lexington, the spirit which has responded instantly to its every call is now to go unnoticed, unmarked, unhonored.

Under three flags we are calling you—give a little under each for the love and glory of them all.

### HISTORY OF LEHIGH

With the sanction of the Board of Trustees a History of Lehigh is being prepared by Prof. Ezra Bowen, of the Department of Business Administration. A tentative list of topics (chapters) follows:

#### Lehigh University

##### Analytical and Historical

1. Setting.
2. Beginnings.
3. Departments and Courses.
4. Athletics.
5. Religious Influences.
6. Buildings.
7. Teaching Force.
8. High Days.
9. Honorary Societies, Course Societies, and Student Honors.
10. Alumni Activities and Influence.
11. The Steel Company and the College.
12. Mostly Gossip.
13. Funds and Means.
14. Academic Administration.
15. Entrance Requirements.
16. Honor System and Student Self Government.
17. Housing, Meals and Recreation.
18. Student Body.
19. Lehigh Types.
20. Town and Gown.
21. Literary, Social and Dramatic.
22. Library.
23. Trustees.
24. Presidents.

Lehigh memorabilia, anecdotes, extracts from diaries or letters bearing on any of the above topics, or, in fact, any suggestions at all will be very acceptable to Prof. Bowen.

### LETTER FROM PROF. BRECKENRIDGE

Sheffield Scientific School

Yale University

Department of Mechanical Engineering  
Mason Laboratory

New Haven, Connecticut,  
January 13, 1920.

Mr. Walter Okeson,  
Editor, Lehigh Alumni Bulletin,  
Drown Hall, Bethlehem, Penna.

My Dear Mr. Okeson:

I must write and let you know how much I enjoyed reading the November number of the Bulletin.

I always look on Lehigh as the place where I took my post graduate work. I came to Lehigh with Professor Klein when the Department of Mechanical Engineering was first established and I stayed with him and was Instructor there in Mechanical Engineering for eight years. Those



were the days of small classes—when the instructors knew each student and when we formed delightful acquaintances and made good friends.

I feel like congratulating so many of the early Lehigh boys, whom I knew, on their progress as engineers.

I enjoy the plan of the Bulletin in showing the Lehigh men connected with the various industries in the advertising pages. I think that it is a fine idea.

I wish you might express for me through the Bulletin my greetings to my old Lehigh students and associates. I still think of so many of them as "my boys" and I am always looking for the results of the Lehigh-Lafayette games, as do all Lehigh men.

Yours very truly,

L. P. BRECKENRIDGE,  
Prof. of Mechanical Engineering.

### LEHIGH MEN WHO WRITE

The February issue of the "Journal of the Engineers Club of Philadelphia" has an article entitled "Wartime Changes in Our American Colleges," by Henry Sturgis Drinker, E.M. '71, LL.D., President of Lehigh University.

In December, 1919, Dodd, Mead & Co. brought out a new book by M. A. DeWolfe, Howe, B.A., '86, A.B. and A.M. (Harvard), Litt.D., '16. It is entitled, "George Von Lengerke Meyer; His Life and Public Services."

At the Twenty-first Annual Convention of the Zeta Beta Tau Fraternity, Dr. Henry W. Frauenthal, A.C. '89, M.D., F.A.C.S., read a paper on "The Social Evil," which should be placed in the hands of every college man. Such a paper as this would aid every young man to strengthen his moral inhibitions.

The "Field Artillery Journal," Vol. IX, No. 5, publishes an article entitled, "Field Artillery in American Colleges," written by Raymond Walters, B.A. '07, M.A. '13, Registrar of Lehigh University.

The October issue of the "Journal of the Society of Automotive Engineers" carried an article by Bert Moss Kent, M.E. '04, LL.D., M.P.L., on "Patents and Inventions and How to Handle Them." Kent, who is now with the Standard Parts Co., in Cleveland, O., was formerly a Patent Attorney in Washington, D.C., and is well qualified to write on the above subject.

Kent is also an officer of the Kent Vacuum Cleaner Co., of Rochester, N. Y., whose advertisement appears for the first time in this number.

The University of Pennsylvania has just published Volume VI of its series of "University Lectures." Two Lehigh men are represented in the series. Eric Doolittle, C.E., '91, Professor of Astronomy in the University of Pennsylvania, contributes a lecture "Our Stellar Universe: How We Learn of Its Mass, Extent and Slow De-

velopment." C. E. Clewell, E.E., '05, Assistant Professor of Electrical Engineering in the University of Pennsylvania, is the author of "Some Relations of Physical Environment to the Management of the War Industries."

At the annual meeting of the American Society of Mechanical Engineers, held in New York City, December 2-5, a paper was presented by William L. DeBaufre, E.E., '07, M.E., '09, and Milton C. Stuart on "Flow of Water Through Condenser Tubes." Mr. DeBaufre is Professor of Mechanical Engineering in the University of Nebraska.

The January number of "Asia," the American magazine on the Orient, contains an illustrated article on "New Trails in Trade," by Lewis Heck, '08, in which he maintains that, "for the far-sighted trader, who looks beyond conditions of export trade created by the war, there is (in the Near East) a prospect of a permanent market." Mr. Heck, who was graduated from the College of Arts and Science of the University, was in the United States Consular Service and at the American Embassy in Constantinople from 1909 until recently. He is now connected with the Department of State at Washington.

### LEHIGH MEN IN THE LIMELIGHT

On December 20, 1919, President Wilson took the final step in the great bituminous coal dispute, which for months had convulsed the country. On the shoulders of three men he laid the responsibility of investigating wages and working conditions in the coal industry, with the understanding that he would delegate, if necessary, to these three men, one representing the miners, one the operators and one the public, that power of fixing wages vested in the Fuel Administration during the war. The member on this powerful commission who represented the operators is Rembrandt Peale, B.S., '83, Trustee of Lehigh University. During the war Peale was the man who controlled, for the Government, the Tidewater Coal Exchange, the agency that handled the shipment and distribution of all bituminous coal. On February 23, 1920, when President Wilson signed the bill returning the Railroads to their owners, the Railroad Administration automatically ceased to exist. But the fuel situation in the country was acute, and as the Railroad Administration had been exercising the functions of the Fuel Administration the President decided to issue an executive order continuing the Fuel Administration, lodging its powers in a committee of four. And as usual, when fuel problems need administration, he called again on Rembrandt Peale, appointing him one of this Commission. He is the only one of the first commission mentioned to be appointed on the second also. It would seem that when the question of fuel is to the fore the country cannot well solve its problems without "Rem" Peale's

knowledge and executive ability. His absolute fairness and integrity are witnessed by the way his appointment on the wage commission was received by the miners. Although he represented the operators, Ellis Searles, Editor of the "Mine Workers Journal," spoke of him as follows, "The Commission is composed of men of the highest integrity and honor. Mr. White representing the miners and Mr. Peale the operators, know coal mining as well as any two men in America." When a man attains a standing where this great country must constantly call on him to solve its pressing problems, and when even his opponents can only speak of him in terms of highest praise, he has certainly scaled the heights and his friends can well feel exultant pride. It certainly is mighty hard to hold back that Class of '83.

The "New York Times," of February 3, 1920, published a dispatch from Panama announcing that Ernesto Tisdell Lefevre, Lehigh '96, Vice-President of the Republic of Panama, assumed on January 30, 1920, the Presidency of that Republic, following the resignation of President Porras. The Lefevres' are a most distinguished Lehigh family. George Edwin Lefevre, '91, is one of America's great masters of fiction, and Henry Francis Lefevre, '92, a prominent consulting mining engineer. That success in this world does not depend entirely on mathematics is evidenced by President Lefevre's remark while in College, "I hav' for the mathematics an antipathie." Another famous son of Lehigh, Richard Harding Davis, was even more bitterly opposed to mathematics than Lefevre. You remember his statement that he got along finely in "Math" until he struck long division. Oh, well. The scales strike a balance. If presidents and authors cannot be Math fiends, neither can Math fiends be authors and presidents.

## MARRIAGES

### Class of 1912

On January 31, 1920, Mr. Geoffrey Arthur Caffall to Miss Beatrice Holly Seiler, of Brooklyn, N. Y. At home, 143 Homewood Avenue., Pittsburgh, Pa.

### Class of 1918

On December 6, 1919, Mr. Allan Judson Ely to Miss Elizabeth Fehl, of York, Pa. At home, 7 Hayes Avenue, Elizabeth, N. J.

On September 27, 1919, Mr. John Webb Hogg to Miss Julia Wight Bomberger, of Norristown, Pa. Their residence is in Argo, Cook Co., Ill.

On February 25, 1920, Mr. Rembrandt Peale, Jr., to Miss Helen Josephine Daly, of Denver Colorado.

On January 22, 1920, Mr. Franklin Baily Speakman to Miss Luella J. Martin, of Bethlehem, Pa. Their residence is in Akron, O.

### Class of 1919

On December 26, 1919, Mr. Lewis Albert Baumann to Miss Evelyn Virginia Kew, of Washington, D. C. At home, 647 Cass Street, Milwaukee, Wis.

On January 6, 1920, Mr. Ellwood Montgomery Rowand, Jr., to Miss Ruth Olive Bowker, of Sioux City, Iowa.

## BIRTHS

### Class of 1907

A daughter, Eleanor Jane Carlock, to Mr. and Mrs. John Bruce Carlock, of Pittsburgh, Pa., on December 17, 1919.

A daughter, Ruth Carson Gilmore, to Mr. and Mrs. Ralph J. Gilmore, of Colorado Springs, Colo., on November 24, 1919.

### Statistics.

Weight at birth: 7½ pounds, increasing rapidly.

Disposition: Aggressively belligerent.

Future: She is looking for a Lehigh fiancé.

### Class of 1909

A son, (at last reports the debate on the name was still continuing), to Mr. and Mrs. Sidney L. Hechinger, on January 18, 1920.

### Class of 1914

A daughter, Helen Anita Nordenholt, to Mr. and Mrs. George F. Nordenholt, of Philadelphia, Pa., on November 14, 1919.

### Class of 1916

A son, Robert P. Stoudt, to Mr. and Mrs. Morris E. Stoudt, of East Stroudsburg, Pa., on February 4, 1918.

This makes the fourth claimant for the 1916 Class Cup. The other three are the son of M. O. Andrews, born June 11, 1918; the son of George Sawteille, born August 29, 1918, and the son of E. W. Garges, born September 27, 1918. The custodian of the cup, James M. Burke, of French Creek Mines, St. Peters, Pa., writes that if by May 1, 1920, no other claimant antedating Robert P. Stoudt files claim that the cup will be awarded to that young gentleman.

## DEATHS

### Class of 1883

Henry A. Porterfield, E.M., died on Sunday, February 8, 1920, at the Duquesne Club in Pittsburgh, Pa., after a few days illness of cold and acute indigestion. Porterfield was born in Emlenton, Pa., in 1863, a son of John C. and Susanna Porterfield. After graduating from St. Paul's school, Concord, N. C., he entered Lehigh University. After his graduation he followed mining engineering in the coal regions near Wilkes-Barre, where he entered the service of the Cambria Iron Company. Later he went to Pittsburgh, where he accepted a position with the Carnegie Steel Company. He was the organizer of the chemical department of the Edgar-Thomson Steel Works. For years he had been owner and manager of the Dexter

Oil Company. Mr. Porterfield was a member of the Duquesne Club and the University Club. Besides his widow, he leaves a brother, Howard H. Porterfield, of Foxburg, and two sisters, Mrs. Winfield Scott Watson and Mrs. Pitt Osborne Heasley, both of Pittsburgh, Pa.

In Porterfield Lehigh loses one of her most loyal sons, and what makes the loss greater is that Porterfield's loyalty was always expressed in action. In every movement for Lehigh's welfare he was in the forefront. When Lehigh was making her gallant struggle to keep from closing her doors in the late nineties, Porterfield headed the Alumni Subscription Committee that worked so faithfully and successfully in aiding Lehigh to stave off disaster. This committee was organized in July, 1899, and for the next four years its work engaged all Porterfield's leisure time. When the Endowment Fund started he was again among the leaders, and so also with the stadium. In the Memorial Drive he has worked early and late to secure a 100% subscription from his class and only his death prevented the accomplishment of this remarkable feat. The Class of '83 has always been a leader in Alumni activities and this has been to a great extent due to Porterfield's hard work and enthusiasm. In 1918 they won the Reunion Cup and in 1919 the Active Membership Cup, and those who attended the great Victory Reunion last spring will remember him standing in the Chapel with both cups in his arms and announcing that the only reason '83 did not have any more cups was because there were no more to be won.

There was never a day dawned that he did not think of and work for Lehigh, and never with the slightest desire to secure for himself any benefit or even with the desire for praise. In fact, the only time he was in the background was when the results were announced and credit for them assigned. His love for Lehigh was without the slightest taint of selfishness. A few score of such men in any alumni body would soon make the college they stood for the greatest in the land. One such man in each class at Lehigh would assure a glorious future for her. Porterfield has gone but his memory will ever live in the hearts of those who knew him. May the thought of his unselfish loyalty, his splendid, never tiring work, stir those of us who are left to emulate his enthusiastic devotion to our great mother—Lehigh.

On Monday, February 16, 1920, another '83 man, N. O. Goldsmith, passed on. Goldsmith graduated from Lehigh with the degree of M.E., and for many years connected with the Weir Frog Co., of Cincinnati, Ohio, of which he was the General Manager. He also was President of the Ohio Rubber Cement Co., of Bellevue, Ky. We have no details of his death other than the announcement sent the University by the Weir Frog Company.

#### Class of 1894

George W. Hunsicker, A.C., died in the Allentown Hospital on December 25, 1919, of uraemic poisoning, after an illness of six weeks. He was born in Allentown on September 27, 1873, and prepared for Lehigh in the schools of that city. After graduating he was for a time chemist with the Bethlehem Steel Co., then chemist and afterwards assistant superintendent of the American Cement Co. He purchased an interest in the Dietrich Motor Car Co., the pioneer automobile concern of the Lehigh Valley and one of the largest today. He became President of this company and he was also President of the Lehigh Valley Auto Trades Association. He leaves to survive him his wife, Mrs. Eleanor W. Hunsicker, and four children, Josephine, Hannah, Virginia and Sylvia.

John S. Scott, Manager of the Atlas Powder Co., one of the duPont interests at Wilmington, Delaware, died at his residence at 1830 Rittenhouse Square, Philadelphia, Pa., on November 7, 1919. He is survived by his wife, Mrs. Kate E. Scott. Scott had been ill for a long time previous to his death.

#### Class of 1896

William J. Adams, E.E., formerly with the Ordnance Dept., of the Bethlehem Steel Co., and for the eight months previous to his death in the employ of the Westinghouse Co., in Pittsburgh, Pa., died on Friday, January 30, 1920, of heart trouble. On account of his health he obtained a leave of absence and was visiting at the home of his sister, Miss Esther Adams, of Harrisburg, Pa., when death occurred.

#### Class of 1915

Lloyd Hoffman, B.S., of Pottersville, N. J., died on February 21, 1920, at the St. Luke's Hospital in Bethlehem. He was in town conferring with officials of the Bethlehem Steel Co. before going south in the company's interests, when he was stricken. He leaves to survive him a wife and one child, Charles Lloyd Hoffman. Hoffman, or as he was familiarly called "Trusty," entered Lehigh in 1907. He twice left college to earn the necessary money to continue, going the first time to Canada and the second time to South America. Having determined to graduate at Lehigh it was not in his nature to quit until he did so, and in 1915 he received the coveted degree. Also he determined to win the "L" as a member of the football team and though handicapped physically he did win it in his last year in college. His loyalty and persistence won him the sobriquet of "Trusty." Perhaps none knew him better than Prof. Reiter and we will let him say the final words.

#### "Trusty" Hoffman

##### An Appreciation by "Bosie" Reiter

The "passing over" of "Trusty" Hoffman came as a shock to us who knew him well in college days.

"Trusty" was the name that grew as an aura from the inherent nature of the man. He was always there in word and deed.

"Trusty" was a poor boy and like many other Lehigh men fought his way to graduation by doing odd jobs around college. In the midst of a busy life, hampered by financial embarrassment, "Trusty" nevertheless had an ambition to make the football team. For long years he struggled to achieve this end. He was handicapped in weight, height and strength as a center, but possessed the indomitable spirit of tenacity and grit. Many times have we seen "Trusty" in his position at center beneath the mass of human debris, with face smeared with mud and sweat. His game was in being close to the ground, entwined around the legs of his larger opponent.

In his Senior year, after five years of physical aspiration, "Trusty's" ambition was realized in winning the coveted "L" on a championship team. At the banquet tendered to the victors at the end of the season the bulk of the glory did not go to the men who made the touchdown against Lafayette but to the man who fought the hardest and did his best—"Trusty."

"I like the man who faces what he must With step triumphant and a heart of cheer, Who fights the daily battle without fear, Sees his hopes fail, yet keeps unfaltering trust

That God is God—that somehow, true and just,

His plans work out for mortals; not a tear Is shed when fortune, which the world holds dear,

Falls from his grasp; better with love a crust

Than living in dishonor; envies not Nor loses faith in man, but does his best, Nor even murmurs at his humbler lot, But, with a smile and words of hope, gives zest

To every toiler. He alone is great Who, by a life heroic, conquers fate."

#### Class of 1917

Carl A. Haller, Met., died at Johnstown, Pa., where he was employed by the Cambria Steel Co., on Wednesday, February 4, 1920. Haller was ill only a few days of influenza turning into pneumonia.

William M. Hartman, B.A., died of pneumonia on February 4, 1920, at East Orange, N. J. Hartman was a member of the Faculty of the East Orange High School, in the department of modern languages.

#### Class of 1920

Leon J. Costello died on February 10, 1920, at his mother's home in Coplay, Pa., of peritonitis. Costello entered Lehigh in the fall of 1916, but when war broke out the following spring enlisted, was sent to Plattsburg and finally was commissioned a lieutenant. At the time of his death he was physical director of Stevens Institute, at Hoboken, N. J.

## PERSONALS

### Faculty

Dr. Benjamin L. Miller, Head of the Department of Geology, has been appointed Cooperating Geologist to the State Geologist of Pennsylvania. Dr. Miller recently became a member of the Editorial Staff of the "Engineering and Mining Journal" as Consulting Special Editor.

### Class of 1870

Dr. H. R. Price, President of the Board of Trustees, has been spending the winter in Florida.

### Class of 1872

Raymunda Floresta de Miranda recently sent a card to Dr. Drinker showing he is "Delegado geral da Inspectoria Federal des Estradas" for the Republic of Brazil. His residence is Benjamin Constant 84, Rio Janeiro.

### Class of 1879

Theodore D. Palmer, formerly of Syracuse, is now living at 43 N. Walnut Street, East Orange, N. J. Palmer has retired from business and during the war served without pay as Business Secretary for the Y. M. C. A. He was in France from October, 1918, to May, 1919.

Joseph H. Tracy, formerly of Salt Lake City, is now in Denver, Colo. He is Secretary and General Manager of the Beaverhead Copper and Gold Mining Co., with mines near Grant, Beaverhead Co., Mont., and offices in the Gas and Electric Bldg., Denver, Colo.

### Class of 1880

Miss Lois Pickering Keith, daughter of Boudinot Keith, of New York City, was married to Lt.-Col. Clyde V. Simpson, of the 5th Cavalry, U. S. A., on February 19, 1920, at Thomasville, Ga.

### Class of 1886

M. A. DeWolfe Howe, formerly Editor of the "Harvard Alumni Bulletin," is now on the staff of the Atlantic Monthly Co., with duties relating especially to the firm's publication of books.

### Class of 1890

George Barclay, formerly ranchman in Montana, is now proprietor of the Shoshone Hotel, at Lovell, Wyoming.

### Class of 1891

Ellis A. Schnable was elected Vice-President of the Pennsylvania State Language Association at its organization meeting in Philadelphia on December 30, 1919.

### Class of 1893

Noble C. Banks is President of the Gear Grinding Machinery Co., in Detroit, Mich. The company controls the patents for machinery which grinds instead of cutting gears. Banks established branches in Europe before the war. During the war they worked almost exclusively on gears for naval craft, Liberty motors, motor trucks, etc.

### Class of 1894

The engineering firm of Barclay, Parsons & Klapp announce the change of the firm name to Parsons, Klapp, Brinckerhoff & Douglas. During the war Douglas was in Panama in charge of the engineering operations there and for a short time was acting governor of the Canal Zone.

### Class of 1895

Eckford C. DeKay, who was in the Navy during the war has resigned as compensation rating expert in the N. Y. State Insurance Department to become Vice-President of T. G. R. Pierson Co., Inc., Insurance, 15 William Street, New York City.

### Class of 1896

L. W. Baldwin, former Regional Director of the Allegheny Region, U. S. Railroad Administration, left Philadelphia March 1, 1920, for Chicago to assume the office of Vice-President of the Illinois Central Railroad.

Juan de Dios Amador is Secy-Treas. of Amador Amusement Co., in Panama City. All '96 men are invited to visit the Amador Theatre free of charge.

W. S. Ayars, formerly with the United States Shipping Board, is now Chief Estimator in the Marine Department, Pusey & Jones Co., Wilmington, Del.

George P. Bartholomew has been made General Manager of the Coal Mining Dept., American Smelting & Refining Co., 120 Broadway, N. Y.

### Class of 1897

Frank Betts Smith was the speaker of the evening at the annual meeting and dinner of San Francisco Branch of the American Society of Civil Engineers, on December 16, 1919. His subject was, "Building Pearl Harbor Dry Dock." I'll bet "Pop" told them how he sailed his 55-foot boat from the Islands to San Francisco.

### Class of 1902

Robert W. Thoroughgood, formerly Professor of Civil Engineering at University of Florida, has been appointed to a like position at Delaware College, Newark, N.J.

Of course you have all seen "Flossie" Parsons' articles in the "Saturday Evening Post." He has severed his connection entirely with the "Coal Age," and is now on the business and editorial staff of the Post.

### Class of 1904

R. E. S. Geare has been appointed General Sales Manager of the T. L. Smith Co., of Millwaukee, manufacturers of concrete mixing machinery and contractors equipment. His office will be in the Old Colony Bldg., Chicago, Ill.

### Class of 1905

Niles Chapman, formerly President of the Chapman Steel Co., is now President of the Chapman-Price Steel Co., which is a consolidation of the Chapman Steel Co.

and the Hornbrook-Price Co. They manufacture galvanized and sheet metal products. Their plant and offices are in Indianapolis, Ind.

### Class of 1906

T. N. Lacy is now Division Superintendent of Plant, American Telephone & Telegraph Co., at Atlanta, Ga.

### Class of 1908

C. G. Barth, Jr., is now Production Engineer of the Sizer Forge Co., Buffalo, N. Y.

### Class of 1909

James T. Aubrey, formerly with the Western Clock Co., is now with the Cosmopolitan Magazine, 326 W. Madison Street, Chicago, Ill.

William F. Banks went back to the Weston Dodson Co. after leaving the service and is now in charge of the Industrial Service Branch of the Company, with offices in Bethlehem.

R. G. Keeler is now Supervising Accountant in the Auditing Department of the American Telephone & Telegraph Co., at 195 Broadway, New York City.

John A. Clark, Jr., is spending a few months in Montana, installing some new electric locomotives on the C. M. & St. P. Ry., as representative for the Westinghouse Co.

### Class of 1910

A. Maxwell Paget, who has been with the American Trading Co., at Tokio, Japan, for the past two years, has been promoted and transferred to the Shanghai office.

Caleb S. Kenney, Asst. General Sales Manager of the Weston Dodson Co., has been elected Commander of the Harry F. W. Johnson Post of the American Legion. This is the Bethlehem Post which the last BULLETIN recorded as having been named for Harry Johnson, '17, the first Lehigh man to be killed in France. Kenney went to France in Command of Co. A., 305th Engineers, 80th Division. He saw service first on a British Sector and his unit was later engaged three times in the Argonne-Meuse offensive. His work in building bridges under fire in this advance won him promotion to Major in October 18, 1918. On April 16, 1919, he was commissioned Lt.-Col., being one of the youngest men in the army to reach this rank.

L. P. Gilmore is now Professor in the Department of Science, Oregon Normal School, Monmouth, Oregon.

### Class of 1912

Chester A. Gauss has been chosen as a joint author of the forth-coming American Correspondence School's Courses in "Advertising" and "Sales and Sales Management."

J. E. Platt writes under date of January 10, 1920, to Dr. Drinker from Moukden, Manchuria, where he is a foreign secretary for the Y. M. C. A.

## Class of 1913

R. B. Bayard, formerly with the Riverside Metal Co., of Riverside, N. J., is now Research Engineer, Casting Dept., Scovill Mfg. Co., Waterbury, Conn.

Ezra Bowen, formerly Assistant Professor in the College of Business Administration, has been made an Associate Professor.

Edmund Quincy, formerly Treasurer of the New York Lehigh Club, has left New York and is with the Forest City Machine & Forge Co., Cleveland, Ohio.

## Class of 1914

H. D. Baldwin, since leaving the service, has located in Wilkes-Barre, Pa., as a Sales Engineer, with offices in the Miners Bank Building.

## Class of 1915

J. P. Ballinger, formerly with the Guarantee Construction Co., of New York City, is now in the Maintenance Dept., of the Singer Mfg. Co., Elizabeth, N. J.

Harold D. Cranmer, who has been employed by the Standard Oil Co. since last spring, is now in Buenos Aires, Argentine, with a subsidiary of that Company, the West India Oil Co. He is Fuel Oil Representative and Technical Engineer of Combustible Liquids.

## Class of 1916

Paul J. Ancona is in the insurance business, with offices in the Baer Bldg., Reading, Pa.

M. O. Andrews has gone to Dallas, Texas, and is now of the firm of Duggan & Andrews, Investments. He probably could give you a live tip on some good Texas oil proposition.

John M. Bausman, since leaving the service, has gone with the John H. Wickersham Eng. and Const. Co., of Lancaster, Pa.

J. T. Morris has formed the Morris Smokeless Coal Co., of which he is Vice-Pres. and Gen. Mgr., which company controls a large acreage of coal lands near Herndon, W. Va.

## Class of 1917

J. H. Aldridge, Jr., is now Asst. Supervisor on the Penna R. R., with headquarters at Myersdale, Pa.

H. F. Appell is in the Factory Accounting Dept. of the Firestone Tire and Rubber Co., Akron, Ohio.

"Ady" Bach, President of the Class of 1917, has left the Levering & Garrigues Co. to accept a position on the sales force of the Wheelock-Lovejoy Co., of Cambridge, Mass. Bach will be located in their New York office.

F. E. Portz has left the Texas Oil Co. to accept a position with the Traylor Engineering & Manufacturing Co. His office at present is in the Bulletin Bldg., Philadelphia.

## Class of 1918

Karl L. Ritter is Instructor in Chemistry, Phillipsburg, N. J., High School.

W. E. Sexton is teaching in the East Rutherford, N. J., High School.

Henry Shepherd is farming on the Bellevue Farm, Shepherdstown, W. Va.

J. H. Swanger is in General Contracting in Lebanon, Pa. The firm is Wm. E. Swanger & Son.

James B. Jacob is with the American Bridge Co., at Pencoyd, Pa.

## Class of 1919

W. P. Amick is now Tire Designer with Goodyear Tire & Rubber Co., Akron, Ohio.

G. E. Barthold is Lessee and Manager of Saylor's Lake Resort, Saylorsburg, Pa.

H. G. Barrett is Warehouse Manager of the E. I. duPont de Nemours Co., at Leominster, Mass.

L. A. Bauman is Chemical Engineer for the Newport Co., Carrollville, Wis.

William B. McKinley is in the Department of Foreign Trade, W. R. Grace & Co., New York City.

P. L. Messersmith is with the U. S. Coast and Geodetic Survey, Washington, D. C.

L. J. MacGregor is salesman for the Bonnie Vise & Tool Works, Inc., Allentown, Pa., and makes his home in Carlisle, Pa.

## OPPORTUNITY FOR MEN WHO QUALIFY AS INDUSTRIAL ENGINEERS

Large firm of industrial engineers is constantly on lookout for highest grade men. Must have successful executive manufacturing records, qualifications to include: Organization, Management, Production Control, Incentives, Manufacturing Methods and Processes, Industrial Relations, Employment, Cost Accounting and a practical knowledge of the operation and maintenance of machinery and equipment.

Men who have had experience as Industrial Engineers, Works Managers, Factory Managers, Superintendents and Production Managers are desired.

Salary commensurate with worth.

ADDRESS: OPPORTUNITY, LEHIGH ALUMNI BULLETIN

# What a United States Senator wrote to his son-in-law

EVERY successful man in business feels a responsibility for the younger men with whom he is associated.

How can he help them?

Not by money. Not by influence. Help of this character defeats its own ends; it weakens rather than strengthens the man who receives it.

Many of the leaders of American business have found a way to render more effective and permanent help. They have investigated the Alexander Hamilton Institute and take advantage of every opportunity to recommend its training to their younger associates.

## What the Senator wrote

SOME time ago a young business man in one of the leading southern cities enrolled for the Institute's Modern Business Course and Service.

"My father-in-law is Senator so and so from a neighboring state," he said. "The Senator wrote me from Washington only a week ago urging me to enrol with the institute.

"My wife and the Alexander Hamilton Institute are the only two blessings that the Senator has ever recommended to me in unqualified terms."

He is one of the many thousand young men who owe their business progress to the fact that some older man urged the importance of business training.

## The bigger the business, the more Institute men

TWO facts stand out prominently to distinguish the Alexander Hamilton Institute from every other institution of business training.

The first is the unusual proportion of college men who have welcomed its training. Of the 110,000 men whom the Institute has enrolled in the ten years of its existence more than 35% are university graduates.

The second fact is the widespread endorsement of this training afforded by the patronage of men in the nation's largest and most influential industries.

The heads of large businesses recognize that the future of their enterprises depends upon their ability to create new executives.

## The Advisory Council

BUSINESS and educational authority of the highest type are represented on the Institute's Advisory Council. That Council consists of:

Frank A. Vanderlip, the financier; General Coleman duPont, the well known business executive; John Hayes Hammond, the eminent engineer; Jeremiah W. Jenks, the statistician and economist; and Joseph French Johnson, Dean of the New York University School of Commerce.

## How much is a year of your life worth?

THE Institute says to the salesman, the accountant, the superintendent or the engineer: "You must know the fundamentals of every department of business if you are to supervise those departments—selling, merchandising, advertising, costs, accounting, office and factory management, corporation finance.

To learn these by actual experience in each department will consume years of your life; here is a shorter, more direct route, based on the experience and methods of the most successful men in business."

## The facts are in this book.

WHETHER you are an older man, interested in the success of your younger associates; or a young man seeking a more direct route to larger success and increased income, you should send for "Forging Ahead in Business". It is a 116 page book giving all the facts, with a complete description of the Course and Service. Send for your copy today.

## Alexander Hamilton Institute

362 Astor Place New York City

Send me "Forging Ahead in Business" without obligation.



Name ..... *Print here*

Business Address .....

.....

Business Position .....

# Athol Manufacturing Company

ATHOL, MASSACHUSETTS

MANUFACTURERS OF THE HIGHEST QUALITY LEATHER CLOTH

## *Athol* Leather

SUITABLE FOR AUTOMOBILES, FURNITURE, AND  
BAGS

NEW YORK    505 Fifth Avenue  
DETROIT     1216 Book Bldg.  
ST. LOUIS    608 Victoria Bldg.  
CHICAGO     1532 Elk Grove Ave.

L. E. CARPENTER, '13, Vice-Pres. & Gen. Mgr.  
G. E. ALLING, '17, Chief Engineer.  
E. A. CLARE, '16, Ass't Sales Manager.



### "UTILITY"

## FLOOR SCRUBBING POLISHING MACHINES

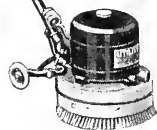
MOST EFFECTIVE AND ECONOMICAL WAY  
TO CLEAN  
FACTORY AND OTHER LARGE FLOOR AREAS

Manufactured by

The Kent Vacuum Cleaner Co., Inc.

547 Dominick St.,

ROME, N. Y. U. S. A.



"Kent" Stationary  
and  
"Vacuna" Portable  
Vacuum Cleaners

GORDON E. KENT, '07  
Pres. and Gen'l Mgr.  
BERT M. KENT, '04





## High Explosives

For All Purposes

## Blasting Powder

All Standard Granulations

## Blasting Supplies Chemicals

Ammonium Nitrate, Nitre Cake, Sulphuric Acid, all strengths to 40% Free  $\text{SO}_3$ , Sodium Nitrite, 96%, Nitric Acid, Mixed Acids, Nitro-cellulose.

## Lacquers

For Wood and Metal

## Leather Cloth

For Upholstering

---

# ATLAS POWDER Co.

GENERAL OFFICES

WILMINGTON, DEL.

John S. Scott, '94

Frank H. Gunsolus, '98

Weston G. Frome, '10

## DRISCOLL-REESE STEEL CO.

Hamburg, Pa.

### ELECTRIC STEEL CASTINGS

PETE REESE, '03, President  
L. B. KRAMER, '17

J. A. DRISCOLL, Vice-President  
D. J. DRISCOLL, Treasurer

## NICHOLSON & COMPANY PITTSBURGH CHAIN WORKS

TESTED CHAINS AND FORGINGS

RANKIN  
Pennsylvania

WORKS, HAWKINS STATION, PA.  
Pennsylvania Railroad

*T. Nicholson, Jr., M.E. '83*

*D. K. Nicholson, M.E., '85, M.S. '00*

## EDELEN & COMPANY, CONTRACTORS EQUIPMENT

Commercial Trust Bldg., Philadelphia

"Rex" Chain Belt Concrete Mixers, Wonder Concrete Mixers, Back Fillers, Gasoline Hoisting Engines, Diaphragm Pumps, Saw Rigs, Clam Shell Buckets, Pulsometer Steam Pumps, Steam Pile Hammers, Kilbourne & Jacobs Wheel Barrows, Drag Scrapers, Trucks and Industrial Cars, etc.

LARGE STOCKS AT PHILADELPHIA

T. J. STONE EDELEN, '04

## LEVERING & GARRIGUES CO.

552 W. 23d STREET

BOSTON, MASS.

NEW YORK

HARTFORD, CONN.

### STEEL CONSTRUCTION

DESIGNERS, MANUFACTURERS  
ERECTORS OF STEEL STRUCTURES

ENGINEERS AND GENERAL CONTRACTORS  
FOR INDUSTRIAL BUILDINGS

L. L. GADD, '94, Vice-President.  
R. F. GADD, '93, New Eng. Mgr.

# Bethlehem Foundry & Machine Company

GENERAL FOUNDERS  
AND MACHINISTS

SOUTH BETHLEHEM, PENNA.

W. A. WILBUR, President

ROBT. E. WILBUR, '04, Asst. to Gen'l Mgr.

J. GEORGE LEHMAN, '96, 1st Vice Pres. & Gen'l Mgr. I. E. KRAUSE, Sec'y and Treas.

## Bethlehem Fabricators, Inc.

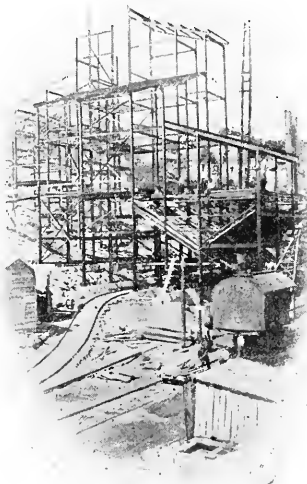
Formerly THE GUERBER ENGINEERING COMPANY

Standard Buildings  
in stock.

Structural Steel  
Fabricators and  
Erectors.

Large Stock Plain  
Material.

General Machine  
Work.



Office and Works  
BETHLEHEM, PA.

R. P. HUTCHINSON, '04  
President  
and General Manager

F. L. STEPHENSON, '12  
Progress Engineer

LEONARD SAVASTIO, '13  
G. M. OVERFIELD, '14  
R. W. WOLCOTT, '18  
H. G. LARSEN, '21

**FRANKLIN BAKER COMPANY**  
**PHILADELPHIA**

**COCONUT PRODUCTS**

**CANNED COCONUT      COCONUT OIL**  
**COCONUT FIBRE**

President, Franklin Baker, Jr., '95

ESTABLISHED 1857

INCORPORATED 1906

**T. B. WOOD'S SONS COMPANY**  
**CHAMBERSBURG, PA.**

**MODERN AND APPROVED APPLIANCES**  
**FOR THE TRANSMISSION OF POWER**

CHAS. O. WOOD, '92

T. B. WOOD, '98

G. H. WOOD, '99

**WHITE & BRO.**

INCORPORATED

**SMELTERS AND REFINERS**

**412 NORTH AMERICAN BUILDING**

**PHILADELPHIA**

HARRY A. WHITE, '95

C. B. WHITE, '05

## THE PHOENIX IRON CO.

Manufacturers of Open Hearth

### Structural Steel Shapes

Works:  
PHOENIXVILLE, PA.

Main Office:  
PHILADELPHIA, PA.

Offices: 22 S. 15th St., Philadelphia. 110 State St., Boston.  
49 William St., New York. Chamber of Com. Bldg., Rochester.

## THE PHOENIX BRIDGE CO.

Engineers and Builders of

### Bridges and Other Structures of Steel

Bridge Works, PHOENIXVILLE, PA.

Established 1790

Capacity 75,000 Tons per Annum.

W. R. HALL, '02, ASST. ENGR.,	BRIDGE DEPT.
W. H. ELLIS, '09, ASST. ENGR.,	ERECTION DEPT.
W. E. STURGIS, '10, ASST. ENGR.,	STRUCTURAL DEPT.

## RICHARDS & GASTON, INC. ENGINEERS AND CONTRACTORS

RAILROADS, BRIDGES,  
STEAM SHOVEL WORK, ETC.

143 LIBERTY STREET  
NEW YORK

LOUIS P. GASTON, '88, PRES. AND TREAS.

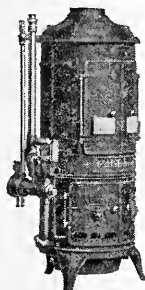
## Carrier Engineering Corporation



39 CORTLANDT ST., NEW YORK, N. Y.

E. T. MURPHY, '01, VICE-PRESIDENT  
PHILADELPHIA, PA.

HUMIDIFYING, DEHUMIDIFYING, COOLING, AIR WASHING, AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION.



## PROMPT SERVICE HOT WATER FOR YOUR HOME

PROVIDE HOT WATER INSTANTLY AT THE TURN OF THE FAUCET

### "Pittsburgh"

INSTANTANEOUS AUTOMATIC GAS WATER HEATER

EASILY INSTALLED. NO CHANGE IN PIPING NECESSARY. GAS CONSUMED IS MEASURED BY HOT WATER USED.

SEND FOR CATALOG. BRANCH OFFICES IN ALL LARGE CITIES.

PITTSBURG WATER HEATER COMPANY  
PITTSBURGH, PA.

JOHN JOY EDSON, JR., '93, PRESIDENT

## RIEGEL SACK CO.

Cotton Goods, Burlap and Cotton Bags

No. 8 West Fortieth Street

NEW YORK CITY

BENJAMIN D. RIEGEL, '98, President

THE

## Bethlehem Preparatory School

A SCHOOL OF HIGH SCHOLASTIC STANDING

Every opportunity given the student to make rapid progress and save time.

1600 boys prepared for leading universities in 41 years.

All branches of athletics.

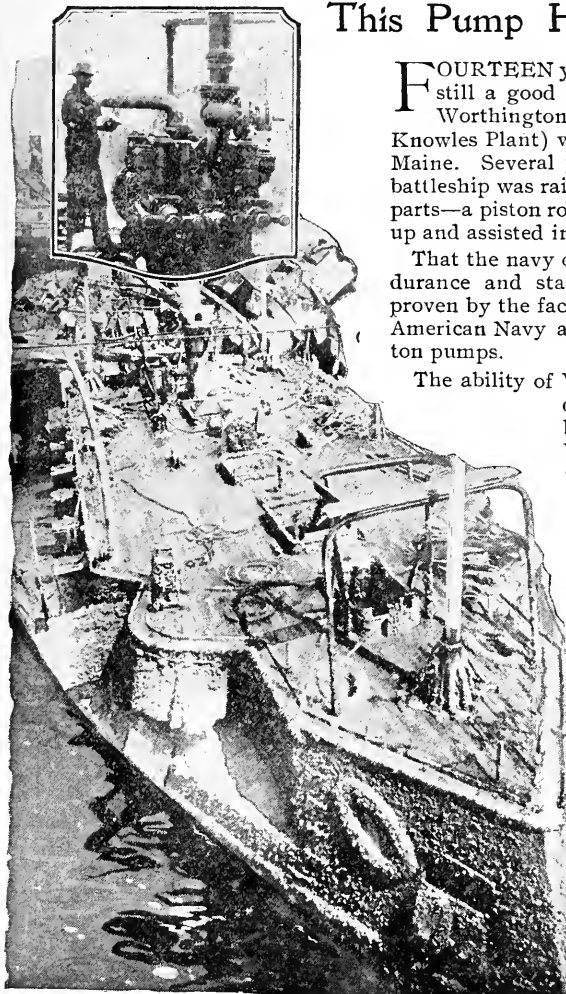
Write for catalogue.

JOHN MITCHELL TUGGEY

Head Master

Sunk With the Maine,

This Pump Helped to Raise Her



FOURTEEN years at the bottom of the sea—and still a good pump. That is the record of a Worthington Pump (made in our Blake & Knowles Plant) which went down in 1898 with the Maine. Several years ago, when the famous old battleship was raised, this pump with but two new parts—a piston rod and a valve rod—was connected up and assisted in unwatering the vessel.

That the navy did not need this evidence of endurance and stamina, however, has been amply proven by the fact that most of the vessels of the American Navy are now equipped with Worthington pumps.

The ability of Worthington to meet the exacting demands of the naval engineers is but another reason why the name Worthington is usually found in well-planned industrial plants.

#### WORTHINGTON

Pump and Machinery Corporation

EXECUTIVE OFFICES:

115 Broadway, New York City

Branch Offices in 24 Large Cities

C. P. COLEMAN, '88, PRESIDENT



PUMPS—COMPRESSORS—CONDENSERS—OIL & GAS ENGINES—METERS—MINING—ROCK CRUSHING & CEMENT MACHINERY

# WORTHINGTON

Deane Works, Holyoke, Mass. Hazleton Works, Hazleton, Pa.  
Blake & Knowles Works  
East Cambridge, Mass.  
Worthington Works  
Harrison, N. J.



Laidlaw Works, Cincinnati, Ohio Gas Engine Works, Cudahy, Wis.  
Power & Mining Works  
Cudahy, Wis.  
Snow-Holly Works  
Buffalo, N. Y.

# **"Proctor"** **DRYERS**

THERE IS A "PROCTOR" DRYER FOR ALMOST  
EVERY PRODUCT THAT NEEDS DRYING.

Let us send our engineers to investigate your drying problems without cost to you.

*Catalogue upon request.*

## **THE PHILADELPHIA TEXTILE MACHINERY COMPANY**

*Builders of Drying Machinery*

**Philadelphia, Pa.**

C. W. SCHWARTZ, Jr., '89, President.

R. O. Keiser, '11

P. D. March, '06

Howard Kantner, '17

## **W. M. LALOR COMPANY**

MANHATTAN BUILDING

CHICAGO, ILL.

### **Apparatus for the Distillation of Water**

RAILWAY SALES DEPARTMENT

ZAPON LEATHER CLOTH COMPANY, NEW YORK

"Leather Cloth of Quality"

W. M. LALOR, '04, President

## **NICETOWN PLATE WASHER CO.**

REFINED BAR IRON, FIRE ESCAPE IRON, STEP IRON, PUNCHED BARS AND PLATES,  
CAST IRON WASHERS, GALVANIZED WASHERS, WROUGHT WASHERS, STANDARD OR  
SPECIAL, MEDIUM STEEL BARS, GALVANIZED BAR IRON

WORKS: JUNIATA AND CLARISSA STS.  
NICETOWN, PHILA., PA.

WHEELER LORD, '96

## **THE ROWAN CONTROLLER COMPANY**

MANUFACTURERS OF

### **AUTOMATIC MOTOR CONTROL**

PRESIDENT, J. S. ROWAN, '10  
SALES MANAGER, W. C. JACKSON, '10

**BALTIMORE**



**DON'T MISS THE OPPORTUNITY OF  
PUTTING YOUR GOODS OR YOUR  
SERVICES IN THE BEST MARKET.  
ADVERTISE IN THE BULLETIN !**

FOR RATES ADDRESS

WALTER R. OKESON, EDITOR.

DROWN HALL, BETHLEHEM, PA.

**THE AMERICAN CONTRACTING COMPANY**  
CONSULTING CIVIL ENGINEERS, MECHANICAL ENGINEERS AND AUDITORS  
REORGANIZATION, REFINANCING and MANAGEMENT OF INDUSTRIAL PROPERTIES

FRANCIS DONALDSON, '01, Secretary and Treasurer,  
MARCUS M. FARLEY, '06, Engineer New York District,

Milwaukee, Wisc.  
New York City.

**PROFESSIONAL CARDS**

Methuen, Mass., Phone 31 Lawrence

**WILLIAM D. HARTSHORNE, '74**  
Consulting Engineer

Textile Mill Conditions a Specialty

Cable Address  
"Hartshorne, Lawrence" Mass.

New York City 15 Park Row

**FORSTALL AND ROBISON**

Consulting Engineers

For Public Utilities

**Alfred E. Forstall, '83**

Chas. D. Robison

Washington, D. C. 916 G St., N. W.

**JAMES A. WATSON, '84**

Patent Lawyer

Philadelphia. 214 Commercial Trust Building

**JOHN W. LEITHEAD, '83**

General Insurance Broker

Member Insurance Federation of Pennsylvania

" Philadelphia Fire Underwriters Association

" " Life " "

Graduate Equitable Correspondence School of Ins.

**Surety Bonds, Fire, Marine, Life and Liability**

Correspondence solicited

St. Louis, Mo.

711 Clark Ave.

**ROBERT W. BARRELL, '87**

President

**St. Louis Sampling & Testing Works, Inc.**

Chemists, Metallurgists and Mining Engineers

All kinds of analyses, investigations, examinations  
and reports in these lines made promptly  
and carefully.

ALUMNI BULLETIN OF LEHIGH UNIVERSITY

PROFESSIONAL CARDS—Continued

Washington, D. C. Colorado Bldg.  
14th and G Sts., N.W.

**RALPH W. LEE, '87**

**Fire and Liability Insurance**

Correspondence solicited

Philadelphia 1318 Land Title Bldg.

**CHARLES N. BUTLER, '88**

**Patent Attorney**

New York City 31 Union Square, West

**KALBERRY CORPORATION**  
**Chemical and Industrial Engineers**

Investigation, Design and Supervision of  
Chemical and Metallurgical Investment and  
Plant. Confidential Reports for Financial  
Interests.

**Robert S. Perry, '88, President**

New York City 15 Park Row

**CLARENCE W. HUDSON, '89**

**Consulting Engineer**

Designs, Estimates, Reports on  
All Classes of Structures

New York City 50 Church St.

**ALEXANDER POTTER, '90**

**Consulting Engineer**

Hydraulics, Sanitation, Concrete  
Structures

Tel.: 5501 Cortland.

Philadelphia 6th and Walnut Sts.

**PERCIVAL DRAYTON '92**

**General Insurance**

Special Facilities for Life Insurance.

Penn Mutual Life Insurance Co.

Bell Tel.: Lombard 3780

Washington, D. C. McGill Bldg.

**CHARLES J. O'NEILL, '93**

**Patent Lawyer**

Pittsburgh 1st National Bank Bldg.

**BATON & ELLIOTT**

**Consulting Engineers**

Reports on Western Mining Property

**G. S. Baton, '94**

**J. R. Elliott**

New York City 363 Lexington Ave.

**VISSCHER & BURLEY**

**Architects**

**T. C. Visscher, '99 J. L. Burley, '94**

111 Broadway New York

**K. P. EMMONS & COMPANY**

**Members New York Stock Exchange**

**J. F. Middledith, '99**

New York City 39 E. 28th St.

**GEORGE L. ROBINSON**

**Consulting Engineer**

Sewers, Sewage Disposal, Water  
Supply

Philadelphia 1609 Ranstead St.

**POMEROY CONSTRUCTION CO.**

**Contractors and Builders**

**J. H. Pomeroy, '00, President.**

New York City 32 Liberty St.

**DYER SMITH, '03**

**Patent Lawyer**

WASHINGTON, D.C. NEW YORK CITY  
514 Union Trust Bldg. 9099-9110 Metropolitan Bldg.

**H. J. JACKSON, '08**

**Agent**

**THE NORTHWESTERN MUTUAL**  
**Life Insurance Company**  
of Milwaukee, Wis.

THE  
**AMERICAN CAR AND FOUNDRY COMPANY**  
BUILDERS  
OF  
RAILROAD EQUIPMENT

---

**WILLIAM CARTER DICKERMAN, '96**  
VICE-PRESIDENT IN CHARGE OF OPERATION

**FRANK FAUST, '94**  
ASST. DIST. MGR., BUFFALO DISTRICT

**CHARLES LOOMIS ROGERS, '83**  
PRESIDENT

THE SLIGO FURNACE CO.

---

NEW YORK

CHICAGO

ST. LOUIS

# BETHLEHEM STEEL COMPANY

## WORKS

BETHLEHEM, PA.  
LEBANON, PA.  
READING, PA.  
STEELTON, PA.  
BALTIMORE, MD.  
SPARROWS POINT, MD.

## OFFICES

BETHLEHEM, PA.  
BOSTON, MASS.  
NEW YORK CITY  
PHILADELPHIA, PA.  
BALTIMORE, MD.  
ATLANTA, GA.  
PITTSBURGH, PA.  
CLEVELAND, OHIO  
DETROIT, MICH.  
CHICAGO, ILL.  
ST. LOUIS, MO.  
WASHINGTON, D. C.  
SAN FRANCISCO, CAL.

---

E. G. GRACE, '99  
ARCHIBALD JOHNSTON, '89  
H. S. SNYDER  
C. A. BUCK, '87  
H. E. LEWIS  
QUINCY BENT  
R. E. McMATH,  
E. B. HILL  
F. A. SHICK

PRESIDENT  
VICE-PRESIDENT  
VICE-PRESIDENT  
VICE-PRESIDENT  
VICE-PRESIDENT  
SECRETARY  
TREASURER  
COMPTROLLER